

# SAFETY DATA SHEET



SureSelect XT Methyl-Seq Reagent Kits - 480 Reactions - Revised  
Configuration, Part Number G9651C

## Section 1. Identification

|                                |   |
|--------------------------------|---|
| <b>Product identifier</b>      | : SureSelect XT Methyl-Seq Reagent Kits - 480 Reactions - Revised Configuration, Part Number G9651C |
| <b>Part No. (Chemical Kit)</b> | : G9651C  |
| <b>Part No.</b>                | : 10X End Repair Buffer 5190-3609   |
|                                | 5X T4 DNA Ligase Buffer 5190-3610   |
|                                | Klenow DNA Polymerase 5190-3615   |
|                                | T4 DNA Ligase 5190-3612   |
|                                | T4 DNA Polymerase 5190-3614   |
|                                | T4 Polynucleotide Kinase 5190-3616  |
|                                | dNTP Mix 5190-3618  |
|                                | 10x Klenow Polymerase Buffer 5190-3611  |
|                                | Exo(-) Klenow 5190-3613   |
|                                | dATP 5190-3617  |
|                                | SureSelect Methyl-Seq Methylated Adapter 5190-4970  |
|                                | SureSelect Methyl-Seq Indexing Primer Common 5190-4973  |
|                                | SureSelect Methyl-Seq PCR1 Primer F 5190-4971   |
|                                | SureSelect Methyl-Seq PCR1 primer R 5190-4972   |
|                                | SureSelect Methyl-Seq PCR Master Mix 5190-7911  |
|                                | SureSelect Methyl-Seq Library Prep Kit 5190-7928  |
|                                | SureSelect Hyb 1 5190-4404  |
|                                | SureSelect Hyb 2 5190-4405  |
|                                | SureSelect Hyb 4 5190-4406  |
|                                | SureSelect Binding Buffer 5190-4407   |
|                                | SureSelect Wash Buffer 1 5190-4408  |
|                                | SureSelect Wash Buffer 2 5190-4409  |
|                                | SureSelect Elution Buffer 5190-4410   |
|                                | SureSelect Block 2 5190-4384  |
|                                | SureSelect Hyb 3 5190-4385  |
|                                | SureSelect RNase Block 5190-4386  |
|                                | SureSelect Indexing Block 1 5190-4428   |
|                                | SureSelect Methyl-Seq Block 3 5190-5005   |

### Relevant identified uses of the substance or mixture and uses advised against

Analytical reagent.

|  |                        |
|--|------------------------|
| 10X End Repair Buffer                        | 7 ml (96 reactions)    |
| 5X T4 DNA Ligase Buffer                      | 7 ml (96 reactions)    |
| Klenow DNA Polymerase                        | 1.45 ml (96 reactions) |
| T4 DNA Ligase                                | 1.05 ml (96 reactions) |
| T4 DNA Polymerase                            | 0.7 ml (96 reactions)  |
| T4 Polynucleotide Kinase                     | 1.5 ml (96 reactions)  |
| dNTP Mix                                     | 1.15 ml (96 reactions) |
| 10x Klenow Polymerase Buffer                 | 4 ml (96 reactions)    |
| Exo(-) Klenow                                | 2.45 ml (96 reactions) |
| dATP   | 0.8 ml (96 reactions)  |
| SureSelect Methyl-Seq Methylated Adapter     | 2.5 ml (96 reactions ) |
| SureSelect Methyl-Seq Indexing Primer Common | 1.5 ml (96 reactions ) |
| SureSelect Methyl-Seq PCR1 Primer F          | 1.5 ml (96 reactions ) |
| SureSelect Methyl-Seq PCR1 primer R          | 1.5 ml (96 reactions ) |
| SureSelect Methyl-Seq PCR Master Mix         | 39.6 ml (96 reactions) |
| SureSelect Methyl-Seq Library Prep Kit       | 7.2ml (0.015 ml x 480) |
| SureSelect Hyb 1                             | 5 x 2.4 ml             |
| SureSelect Hyb 2                             | 0.096 ml               |
| SureSelect Hyb 4                             | 5 x 1.25 ml            |
| SureSelect Binding Buffer                    | 5 x 80 ml              |

## Section 1. Identification

|                               |              |
|-------------------------------|--------------|
| SureSelect Wash Buffer 1      | 5 x 48 ml    |
| SureSelect Wash Buffer 2      | 5 x 144 ml   |
| SureSelect Elution Buffer     | 5 x 5.8 ml   |
| SureSelect Block 2            | 5 x 0.24 ml  |
| SureSelect Hyb 3              | 5 x 0.96 ml  |
| SureSelect RNase Block        | 5 x 0.096 ml |
| SureSelect Indexing Block 1   | 5 x 0.24 ml  |
| SureSelect Methyl-Seq Block 3 | 5 x 0.058 ml |

**Supplier/Manufacturer** : Agilent Technologies Australia Pty Ltd  
679 Springvale Road  
Mulgrave  
Victoria 3170, Australia  
1800 802 402

**Emergency telephone number (with hours of operation)** : CHEMTREC®: (61)-290372994

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

#### 5X T4 DNA Ligase Buffer

H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

#### SureSelect Hyb 1

H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

#### SureSelect Elution Buffer

H290 CORROSIVE TO METALS - Category 1

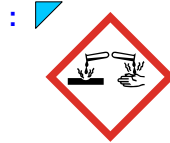
|                              |   |
|------------------------------|---|
| 10X End Repair Buffer        | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9%                           |
| 5X T4 DNA Ligase Buffer      | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3.9%                           |
| Klenow DNA Polymerase        | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%                             |
| T4 DNA Polymerase            | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%                             |
| T4 Polynucleotide Kinase     | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%                             |
| dNTP Mix                     | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 6%                             |
| 10x Klenow Polymerase Buffer | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9%                           |
| SureSelect Hyb 3             | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1%                             |
| SureSelect Indexing Block 1  | Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%                             |
| 10X End Repair Buffer        | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 7.9% |
| 5X T4 DNA Ligase Buffer      | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.9% |
| Klenow DNA Polymerase        | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%   |
| T4 DNA Polymerase            | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%   |
| T4 Polynucleotide Kinase     | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%   |
| dNTP Mix                     | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 6%   |
| 10x Klenow Polymerase Buffer | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 7.9% |

## Section 2. Hazard(s) identification

|                             |   |
|-----------------------------|---|
| SureSelect Hyb 3            | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1% |
| SureSelect Indexing Block 1 | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2% |

### GHS label elements

#### Hazard pictograms



#### Signal word

|  |                 |
|--|-----------------|
| 10X End Repair Buffer                        | No signal word. |
| 5X T4 DNA Ligase Buffer                      | WARNING         |
| Klenow DNA Polymerase                        | No signal word. |
| T4 DNA Ligase                                | No signal word. |
| T4 DNA Polymerase                            | No signal word. |
| T4 Polynucleotide Kinase                     | No signal word. |
| dNTP Mix                                     | No signal word. |
| 10x Klenow Polymerase Buffer                 | No signal word. |
| Exo(-) Klenow dATP                           | No signal word. |
| SureSelect Methyl-Seq Methylated Adapter     | No signal word. |
| SureSelect Methyl-Seq Indexing Primer Common | No signal word. |
| SureSelect Methyl-Seq PCR1 Primer F          | No signal word. |
| SureSelect Methyl-Seq PCR1 primer R          | No signal word. |
| SureSelect Methyl-Seq PCR Master Mix         | No signal word. |
| SureSelect Methyl-Seq Library Prep Kit       | No signal word. |
| SureSelect Hyb 1                             | WARNING         |
| SureSelect Hyb 2                             | No signal word. |
| SureSelect Hyb 4                             | No signal word. |
| SureSelect Binding Buffer                    | No signal word. |
| SureSelect Wash Buffer 1                     | No signal word. |
| SureSelect Wash Buffer 2                     | No signal word. |
| SureSelect Elution Buffer                    | WARNING         |
| SureSelect Block 2                           | No signal word. |
| SureSelect Hyb 3                             | No signal word. |
| SureSelect RNase Block                       | No signal word. |
| SureSelect Indexing Block 1                  | No signal word. |
| SureSelect Methyl-Seq Block 3                | No signal word. |

#### Hazard statements

|  |   |
|--|---|
| 10X End Repair Buffer                        | No known significant effects or critical hazards. |
| 5X T4 DNA Ligase Buffer                      | H319 - Causes serious eye irritation.             |
| Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
| T4 DNA Ligase                                | No known significant effects or critical hazards. |
| T4 DNA Polymerase                            | No known significant effects or critical hazards. |
| T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
| dNTP Mix                                     | No known significant effects or critical hazards. |
| 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
| Exo(-) Klenow dATP                           | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |

## Section 2. Hazard(s) identification

|  |   |
|--|---|
| SureSelect Methyl-Seq PCR1 Primer F    | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR1 primer R    | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR Master Mix   | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Library Prep Kit | No known significant effects or critical hazards. |
| SureSelect Hyb 1                       | H319 - Causes serious eye irritation.             |
| SureSelect Hyb 2                       | No known significant effects or critical hazards. |
| SureSelect Hyb 4                       | No known significant effects or critical hazards. |
| SureSelect Binding Buffer              | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 1               | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 2               | No known significant effects or critical hazards. |
| SureSelect Elution Buffer              | H290 - May be corrosive to metals.                |
| SureSelect Block 2                     | No known significant effects or critical hazards. |
| SureSelect Hyb 3                       | No known significant effects or critical hazards. |
| SureSelect RNase Block                 | No known significant effects or critical hazards. |
| SureSelect Indexing Block 1            | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Block 3          | No known significant effects or critical hazards. |

### Precautionary statements

#### Prevention

|  |   |
|--|---|
| 10X End Repair Buffer                        | Not applicable.   |
| 5X T4 DNA Ligase Buffer                      | P280 - Wear eye or face protection.<br>P264 - Wash hands thoroughly after handling. |
| Klenow DNA Polymerase                        | Not applicable.   |
| T4 DNA Ligase                                | Not applicable.   |
| T4 DNA Polymerase                            | Not applicable.   |
| T4 Polynucleotide Kinase                     | Not applicable.   |
| dNTP Mix                                     | Not applicable.   |
| 10x Klenow Polymerase Buffer                 | Not applicable.   |
| Exo(-) Klenow dATP                           | Not applicable.   |
| SureSelect Methyl-Seq Methylated Adapter     | Not applicable.   |
| SureSelect Methyl-Seq Indexing Primer Common | Not applicable.   |
| SureSelect Methyl-Seq PCR1 Primer F          | Not applicable.   |
| SureSelect Methyl-Seq PCR1 primer R          | Not applicable.   |
| SureSelect Methyl-Seq PCR Master Mix         | Not applicable.   |
| SureSelect Methyl-Seq Library Prep Kit       | Not applicable.   |
| SureSelect Hyb 1                             | P280 - Wear eye or face protection.<br>P264 - Wash hands thoroughly after handling. |
| SureSelect Hyb 2                             | Not applicable.   |
| SureSelect Hyb 4                             | Not applicable.   |
| SureSelect Binding Buffer                    | Not applicable.   |
| SureSelect Wash Buffer 1                     | Not applicable.   |
| SureSelect Wash Buffer 2                     | Not applicable.   |
| SureSelect Elution Buffer                    | P234 - Keep only in original container.   |
| SureSelect Block 2                           | Not applicable.   |
| SureSelect Hyb 3                             | Not applicable.   |
| SureSelect RNase Block                       | Not applicable.   |
| SureSelect Indexing Block 1                  | Not applicable.   |
| SureSelect Methyl-Seq Block 3                | Not applicable.   |

## Section 2. Hazard(s) identification

|                 |                               |  |  |
|-----------------|-------------------------------|--|--|
| <b>Response</b> | :                             | 10X End Repair Buffer                        | Not applicable.  |
|                 |                               | 5X T4 DNA Ligase Buffer                      | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
|                 |                               | Klenow DNA Polymerase                        | Not applicable.  |
|                 |                               | T4 DNA Ligase                                | Not applicable.  |
|                 |                               | T4 DNA Polymerase                            | Not applicable.  |
|                 |                               | T4 Polynucleotide Kinase                     | Not applicable.  |
|                 |                               | dNTP Mix                                     | Not applicable.  |
|                 |                               | 10x Klenow Polymerase Buffer                 | Not applicable.  |
|                 |                               | Exo(-) Klenow dATP                           | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq Methylated Adapter     | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq Indexing Primer Common | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq PCR1 Primer F          | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq PCR1 primer R          | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq PCR Master Mix         | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq Library Prep Kit       | Not applicable.  |
|                 |                               | SureSelect Hyb 1                             | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
|                 |                               | SureSelect Hyb 2                             | Not applicable.  |
|                 |                               | SureSelect Hyb 4                             | Not applicable.  |
|                 |                               | SureSelect Binding Buffer                    | Not applicable.  |
|                 |                               | SureSelect Wash Buffer 1                     | Not applicable.  |
|                 |                               | SureSelect Wash Buffer 2                     | Not applicable.  |
|                 |                               | SureSelect Elution Buffer                    | P390 - Absorb spillage to prevent material damage.   |
|                 |                               | SureSelect Block 2                           | Not applicable.  |
|                 |                               | SureSelect Hyb 3                             | Not applicable.  |
|                 |                               | SureSelect RNase Block                       | Not applicable.  |
|                 |                               | SureSelect Indexing Block 1                  | Not applicable.  |
|                 | SureSelect Methyl-Seq Block 3 | Not applicable.                              |  |
| <b>Storage</b>  | :                             | 10X End Repair Buffer                        | Not applicable.  |
|                 |                               | 5X T4 DNA Ligase Buffer                      | Not applicable.  |
|                 |                               | Klenow DNA Polymerase                        | Not applicable.  |
|                 |                               | T4 DNA Ligase                                | Not applicable.  |
|                 |                               | T4 DNA Polymerase                            | Not applicable.  |
|                 |                               | T4 Polynucleotide Kinase                     | Not applicable.  |
|                 |                               | dNTP Mix                                     | Not applicable.  |
|                 |                               | 10x Klenow Polymerase Buffer                 | Not applicable.  |
|                 |                               | Exo(-) Klenow dATP                           | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq Methylated Adapter     | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq Indexing Primer Common | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq PCR1 Primer F          | Not applicable.  |
|                 |                               | SureSelect Methyl-Seq PCR1 primer R          | Not applicable.  |

## Section 2. Hazard(s) identification

|                                    |  |   |
|------------------------------------|--|---|
|                                    | SureSelect Methyl-Seq PCR Master Mix         | Not applicable.   |
|                                    | SureSelect Methyl-Seq Library Prep Kit       | Not applicable.   |
|                                    | SureSelect Hyb 1                             | Not applicable.   |
|                                    | SureSelect Hyb 2                             | Not applicable.   |
|                                    | SureSelect Hyb 4                             | Not applicable.   |
|                                    | SureSelect Binding Buffer                    | Not applicable.   |
|                                    | SureSelect Wash Buffer 1                     | Not applicable.   |
|                                    | SureSelect Wash Buffer 2                     | Not applicable.   |
|                                    | SureSelect Elution Buffer                    | P406 - Store in corrosive resistant container with a resistant inner liner. |
|                                    | SureSelect Block 2                           | Not applicable.   |
|                                    | SureSelect Hyb 3                             | Not applicable.   |
|                                    | SureSelect RNase Block                       | Not applicable.   |
|                                    | SureSelect Indexing Block 1                  | Not applicable.   |
|                                    | SureSelect Methyl-Seq Block 3                | Not applicable.   |
| <b>Disposal</b>                    | 10X End Repair Buffer                        | Not applicable.   |
|                                    | 5X T4 DNA Ligase Buffer                      | Not applicable.   |
|                                    | Klenow DNA Polymerase                        | Not applicable.   |
|                                    | T4 DNA Ligase                                | Not applicable.   |
|                                    | T4 DNA Polymerase                            | Not applicable.   |
|                                    | T4 Polynucleotide Kinase                     | Not applicable.   |
|                                    | dNTP Mix                                     | Not applicable.   |
|                                    | 10x Klenow Polymerase Buffer                 | Not applicable.   |
|                                    | Exo(-) Klenow dATP                           | Not applicable.   |
|                                    | SureSelect Methyl-Seq Methylated Adapter     | Not applicable.   |
|                                    | SureSelect Methyl-Seq Indexing Primer Common | Not applicable.   |
|                                    | SureSelect Methyl-Seq PCR1 Primer F          | Not applicable.   |
|                                    | SureSelect Methyl-Seq PCR1 primer R          | Not applicable.   |
|                                    | SureSelect Methyl-Seq PCR Master Mix         | Not applicable.   |
|                                    | SureSelect Methyl-Seq Library Prep Kit       | Not applicable.   |
|                                    | SureSelect Hyb 1                             | Not applicable.   |
|                                    | SureSelect Hyb 2                             | Not applicable.   |
|                                    | SureSelect Hyb 4                             | Not applicable.   |
|                                    | SureSelect Binding Buffer                    | Not applicable.   |
|                                    | SureSelect Wash Buffer 1                     | Not applicable.   |
|                                    | SureSelect Wash Buffer 2                     | Not applicable.   |
|                                    | SureSelect Elution Buffer                    | Not applicable.   |
|                                    | SureSelect Block 2                           | Not applicable.   |
|                                    | SureSelect Hyb 3                             | Not applicable.   |
|                                    | SureSelect RNase Block                       | Not applicable.   |
|                                    | SureSelect Indexing Block 1                  | Not applicable.   |
|                                    | SureSelect Methyl-Seq Block 3                | Not applicable.   |
| <b>Supplemental label elements</b> | 10X End Repair Buffer                        | Not applicable.   |
|                                    | 5X T4 DNA Ligase Buffer                      | Not applicable.   |
|                                    | Klenow DNA Polymerase                        | Not applicable.   |
|                                    | T4 DNA Ligase                                | Not applicable.   |
|                                    | T4 DNA Polymerase                            | Not applicable.   |
|                                    | T4 Polynucleotide Kinase                     | Not applicable.   |
|                                    | dNTP Mix                                     | Not applicable.   |
|                                    | 10x Klenow Polymerase Buffer                 | Not applicable.   |



**Section 2. Hazard(s) identification**

|  |                 |
|--|-----------------|
| Exo(-) Klenow                                | Not applicable. |
| dATP   | Not applicable. |
| SureSelect Methyl-Seq Methylated Adapter     | Not applicable. |
| SureSelect Methyl-Seq Indexing Primer Common | Not applicable. |
| SureSelect Methyl-Seq PCR1 Primer F          | Not applicable. |
| SureSelect Methyl-Seq PCR1 primer R          | Not applicable. |
| SureSelect Methyl-Seq PCR Master Mix         | Not applicable. |
| SureSelect Methyl-Seq Library Prep Kit       | Not applicable. |
| SureSelect Hyb 1                             | Not applicable. |
| SureSelect Hyb 2                             | Not applicable. |
| SureSelect Hyb 4                             | Not applicable. |
| SureSelect Binding Buffer                    | Not applicable. |
| SureSelect Wash Buffer 1                     | Not applicable. |
| SureSelect Wash Buffer 2                     | Not applicable. |
| SureSelect Elution Buffer                    | Not applicable. |
| SureSelect Block 2                           | Not applicable. |
| SureSelect Hyb 3                             | Not applicable. |
| SureSelect RNase Block                       | Not applicable. |
| SureSelect Indexing Block 1                  | Not applicable. |
| SureSelect Methyl-Seq Block 3                | Not applicable. |

**Other hazards which do not result in classification**

|  |             |
|--|-------------|
| 10X End Repair Buffer                        | None known. |
| 5X T4 DNA Ligase Buffer                      | None known. |
| Klenow DNA Polymerase                        | None known. |
| T4 DNA Ligase                                | None known. |
| T4 DNA Polymerase                            | None known. |
| T4 Polynucleotide Kinase                     | None known. |
| dNTP Mix                                     | None known. |
| 10x Klenow Polymerase Buffer                 | None known. |
| Exo(-) Klenow                                | None known. |
| dATP   | None known. |
| SureSelect Methyl-Seq Methylated Adapter     | None known. |
| SureSelect Methyl-Seq Indexing Primer Common | None known. |
| SureSelect Methyl-Seq PCR1 Primer F          | None known. |
| SureSelect Methyl-Seq PCR1 primer R          | None known. |
| SureSelect Methyl-Seq PCR Master Mix         | None known. |
| SureSelect Methyl-Seq Library Prep Kit       | None known. |
| SureSelect Hyb 1                             | None known. |
| SureSelect Hyb 2                             | None known. |
| SureSelect Hyb 4                             | None known. |
| SureSelect Binding Buffer                    | None known. |
| SureSelect Wash Buffer 1                     | None known. |
| SureSelect Wash Buffer 2                     | None known. |
| SureSelect Elution Buffer                    | None known. |
| SureSelect Block 2                           | None known. |
| SureSelect Hyb 3                             | None known. |
| SureSelect RNase Block                       | None known. |
| SureSelect Indexing Block 1                  | None known. |
| SureSelect Methyl-Seq                        | None known. |

## Section 2. Hazard(s) identification

Block 3

## Section 3. Composition and ingredient information

|                          |   |  |         |
|--------------------------|---|--|---------|
| <b>Substance/mixture</b> | : | 10X End Repair Buffer                        | Mixture |
|                          |   | 5X T4 DNA Ligase Buffer                      | Mixture |
|                          |   | Klenow DNA Polymerase                        | Mixture |
|                          |   | T4 DNA Ligase                                | Mixture |
|                          |   | T4 DNA Polymerase                            | Mixture |
|                          |   | T4 Polynucleotide Kinase                     | Mixture |
|                          |   | dNTP Mix                                     | Mixture |
|                          |   | 10x Klenow Polymerase Buffer                 | Mixture |
|                          |   | Exo(-) Klenow                                | Mixture |
|                          |   | dATP   | Mixture |
|                          |   | SureSelect Methyl-Seq Methylated Adapter     | Mixture |
|                          |   | SureSelect Methyl-Seq Indexing Primer Common | Mixture |
|                          |   | SureSelect Methyl-Seq PCR1 Primer F          | Mixture |
|                          |   | SureSelect Methyl-Seq PCR1 primer R          | Mixture |
|                          |   | SureSelect Methyl-Seq PCR Master Mix         | Mixture |
|                          |   | SureSelect Methyl-Seq Library Prep Kit       | Mixture |
|                          |   | SureSelect Hyb 1                             | Mixture |
|                          |   | SureSelect Hyb 2                             | Mixture |
|                          |   | SureSelect Hyb 4                             | Mixture |
|                          |   | SureSelect Binding Buffer                    | Mixture |
|                          |   | SureSelect Wash Buffer 1                     | Mixture |
|                          |   | SureSelect Wash Buffer 2                     | Mixture |
|                          |   | SureSelect Elution Buffer                    | Mixture |
|                          |   | SureSelect Block 2                           | Mixture |
|                          |   | SureSelect Hyb 3                             | Mixture |
|                          |   | SureSelect RNase Block                       | Mixture |
|                          |   | SureSelect Indexing Block 1                  | Mixture |
|                          |   | SureSelect Methyl-Seq Block 3                | Mixture |

### CAS number/other identifiers

| Ingredient name   | % (w/w)   | CAS number |
|---|-----------|------------|
| <b>5X T4 DNA Ligase Buffer</b>                          |           |            |
| Polyethylene glycol                                     | ≥10 - ≤30 | 25322-68-3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | ≤5        | 1185-53-1  |
| <b>Klenow DNA Polymerase</b>                            |           |            |
| Glycerol  | ≥30 - ≤60 | 56-81-5    |
| <b>T4 DNA Ligase</b>                                    |           |            |
| Glycerol  | ≥30 - ≤60 | 56-81-5    |
| <b>T4 DNA Polymerase</b>                                |           |            |
| Glycerol  | ≥30 - ≤60 | 56-81-5    |
| <b>T4 Polynucleotide Kinase</b>                         |           |            |
| Glycerol  | ≥30 - ≤60 | 56-81-5    |
| <b>Exo(-) Klenow</b>                                    |           |            |
| Glycerol  | ≥30 - ≤60 | 56-81-5    |



### Section 3. Composition and ingredient information

|   |           |           |
|---|-----------|-----------|
| <b>SureSelect Methyl-Seq PCR Master Mix</b><br>Glycerol | ≤10       | 56-81-5   |
| <b>SureSelect Hyb 1</b><br>Sodium chloride              | ≥10 - <25 | 7647-14-5 |
| <b>SureSelect RNase Block</b><br>Glycerol               | ≥30 - ≤60 | 56-81-5   |
| <b>SureSelect Indexing Block 1</b><br>Glycerol          | ≥30 - ≤60 | 56-81-5   |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

|                    |  |   |
|--------------------|--|---|
| <b>Eye contact</b> | : 10X End Repair Buffer                  | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | 5X T4 DNA Ligase Buffer                  | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. |
|                    | Klenow DNA Polymerase                    | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | T4 DNA Ligase                            | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | T4 DNA Polymerase                        | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | T4 Polynucleotide Kinase                 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | dNTP Mix                                 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | 10x Klenow Polymerase Buffer             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | Exo(-) Klenow                            | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | dATP                                     | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.                       |
|                    | SureSelect Methyl-Seq Methylated Adapter | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get   |

## Section 4. First aid measures

|  |  |
|--|--|
| SureSelect Methyl-Seq Indexing Primer Common | medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.    |
| SureSelect Methyl-Seq PCR1 Primer F          | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Methyl-Seq PCR1 primer R          | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Methyl-Seq PCR Master Mix         | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Methyl-Seq Library Prep Kit       | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Hyb 1                             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.                      |
| SureSelect Hyb 2                             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Hyb 4                             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Binding Buffer                    | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Wash Buffer 1                     | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Wash Buffer 2                     | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Elution Buffer                    | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs. |
| SureSelect Block 2                           | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Hyb 3                             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect RNase Block                       | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  |
| SureSelect Indexing Block 1                  | Immediately flush eyes with plenty of water,   |

## Section 4. First aid measures

### Inhalation

SureSelect Methyl-Seq  
Block 3

occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

: 10X End Repair Buffer

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5X T4 DNA Ligase Buffer

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Klenow DNA Polymerase

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

T4 DNA Ligase

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

T4 DNA Polymerase

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

T4 Polynucleotide Kinase

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

dNTP Mix

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

10x Klenow Polymerase  
Buffer

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Exo(-) Klenow

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

dATP

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect Methyl-Seq  
Methylated Adapter

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

## Section 4. First aid measures

|  |  |
|--|--|
| SureSelect Methyl-Seq Indexing Primer Common | attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
| SureSelect Methyl-Seq PCR1 Primer F          | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Methyl-Seq PCR1 primer R          | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Methyl-Seq PCR Master Mix         | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Methyl-Seq Library Prep Kit       | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Hyb 1                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| SureSelect Hyb 2                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.  |
| SureSelect Hyb 4                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Binding Buffer                    | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Wash Buffer 1                     | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Wash Buffer 2                     | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect Elution Buffer                    | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| SureSelect Block 2                           | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.  |
| SureSelect Hyb 3                             | Remove victim to fresh air and keep at rest in a   |

## Section 4. First aid measures

position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SureSelect RNase Block  
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect Indexing Block 1  
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect Methyl-Seq Block 3  
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

### Skin contact

: 10X End Repair Buffer  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

5X T4 DNA Ligase Buffer  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Klenow DNA Polymerase  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

T4 DNA Ligase  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

T4 DNA Polymerase  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

T4 Polynucleotide Kinase  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

dNTP Mix  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

10x Klenow Polymerase Buffer  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Exo(-) Klenow  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

dATP  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq Methylated Adapter  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq Indexing Primer Common  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq PCR1 Primer F  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq PCR1 primer R  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq PCR Master Mix  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SureSelect Methyl-Seq Library Prep Kit  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.



## Section 4. First aid measures

|  |   |
|--|---|
| SureSelect Hyb 1                         | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
| SureSelect Hyb 2                         | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Hyb 4                         | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Binding Buffer                | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Wash Buffer 1                 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Wash Buffer 2                 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Elution Buffer                | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.   |
| SureSelect Block 2                       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Hyb 3                         | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect RNase Block                   | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Indexing Block 1              | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| SureSelect Methyl-Seq Block 3            | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| <b>Ingestion</b> : 10X End Repair Buffer | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| 5X T4 DNA Ligase Buffer                  | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Klenow DNA Polymerase                    | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for  |

## Section 4. First aid measures

|  |   |
|--|---|
|  | breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.  |
| T4 DNA Ligase                                | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| T4 DNA Polymerase                            | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| T4 Polynucleotide Kinase                     | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| dNTP Mix                                     | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| 10x Klenow Polymerase Buffer                 | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Exo(-) Klenow                                | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| dATP   | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Methyl-Seq Methylated Adapter     | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Methyl-Seq Indexing Primer Common | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for  |



## Section 4. First aid measures

|  |   |
|--|---|
|  | breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.  |
| SureSelect Methyl-Seq PCR1 Primer F    | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Methyl-Seq PCR1 primer R    | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Methyl-Seq PCR Master Mix   | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Methyl-Seq Library Prep Kit | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Hyb 1                       | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| SureSelect Hyb 2                       | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Hyb 4                       | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |

## Section 4. First aid measures

|                             |   |
|-----------------------------|---|
| SureSelect Binding Buffer   | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Wash Buffer 1    | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Wash Buffer 2    | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Elution Buffer   | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| SureSelect Block 2          | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Hyb 3            | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect RNase Block      | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.   |
| SureSelect Indexing Block 1 | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless  |

## Section 4. First aid measures

SureSelect Methyl-Seq  
Block 3

directed to do so by medical personnel. Get medical attention if symptoms occur.  
Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

##### **Eye contact**

|  |   |
|--|---|
| : 10X End Repair Buffer                      | No known significant effects or critical hazards. |
| 5X T4 DNA Ligase Buffer                      | Causes serious eye irritation.                    |
| Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
| T4 DNA Ligase                                | No known significant effects or critical hazards. |
| T4 DNA Polymerase                            | No known significant effects or critical hazards. |
| T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
| dNTP Mix                                     | No known significant effects or critical hazards. |
| 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
| Exo(-) Klenow                                | No known significant effects or critical hazards. |
| dATP   | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
| SureSelect Hyb 1                             | Causes serious eye irritation.                    |
| SureSelect Hyb 2                             | No known significant effects or critical hazards. |
| SureSelect Hyb 4                             | No known significant effects or critical hazards. |
| SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
| SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
| SureSelect Block 2                           | No known significant effects or critical hazards. |
| SureSelect Hyb 3                             | No known significant effects or critical hazards. |
| SureSelect RNase Block                       | No known significant effects or critical hazards. |
| SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |

##### **Inhalation**

|  |   |
|--|---|
| : 10X End Repair Buffer                  | No known significant effects or critical hazards. |
| 5X T4 DNA Ligase Buffer                  | No known significant effects or critical hazards. |
| Klenow DNA Polymerase                    | No known significant effects or critical hazards. |
| T4 DNA Ligase                            | No known significant effects or critical hazards. |
| T4 DNA Polymerase                        | No known significant effects or critical hazards. |
| T4 Polynucleotide Kinase                 | No known significant effects or critical hazards. |
| dNTP Mix                                 | No known significant effects or critical hazards. |
| 10x Klenow Polymerase Buffer             | No known significant effects or critical hazards. |
| Exo(-) Klenow                            | No known significant effects or critical hazards. |
| dATP                                     | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Methylated Adapter | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq                    | No known significant effects or critical hazards. |

## Section 4. First aid measures

|                     |  |   |
|---------------------|--|---|
|                     | Indexing Primer Common                       |   |
|                     | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                     | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                     | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                     | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                     | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                     | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                     | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                     | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |
| <b>Skin contact</b> | : 10X End Repair Buffer                      | No known significant effects or critical hazards. |
|                     | 5X T4 DNA Ligase Buffer                      | No known significant effects or critical hazards. |
|                     | Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
|                     | T4 DNA Ligase                                | No known significant effects or critical hazards. |
|                     | T4 DNA Polymerase                            | No known significant effects or critical hazards. |
|                     | T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
|                     | dNTP Mix                                     | No known significant effects or critical hazards. |
|                     | 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
|                     | Exo(-) Klenow                                | No known significant effects or critical hazards. |
|                     | dATP   | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                     | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                     | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                     | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                     | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                     | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                     | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                     | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                     | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                     | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |





## Section 4. First aid measures

|                     |   |  |
|---------------------|---|--|
|                     | SureSelect Hyb 1                                | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
|                     | SureSelect Hyb 2                                | No specific data.  |
|                     | SureSelect Hyb 4                                | No specific data.  |
|                     | SureSelect Binding Buffer                       | No specific data.  |
|                     | SureSelect Wash Buffer 1                        | No specific data.  |
|                     | SureSelect Wash Buffer 2                        | No specific data.  |
|                     | SureSelect Elution Buffer                       | No specific data.  |
|                     | SureSelect Block 2                              | No specific data.  |
|                     | SureSelect Hyb 3                                | No specific data.  |
|                     | SureSelect RNase Block                          | No specific data.  |
|                     | SureSelect Indexing Block 1                     | No specific data.  |
|                     | SureSelect Methyl-Seq<br>Block 3                | No specific data.  |
| <b>Inhalation</b>   | : 10X End Repair Buffer                         | No specific data.  |
|                     | 5X T4 DNA Ligase Buffer                         | No specific data.  |
|                     | Klenow DNA Polymerase                           | No specific data.  |
|                     | T4 DNA Ligase                                   | No specific data.  |
|                     | T4 DNA Polymerase                               | No specific data.  |
|                     | T4 Polynucleotide Kinase                        | No specific data.  |
|                     | dNTP Mix  | No specific data.  |
|                     | 10x Klenow Polymerase<br>Buffer                 | No specific data.  |
|                     | Exo(-) Klenow<br>dATP                           | No specific data.<br>No specific data.   |
|                     | SureSelect Methyl-Seq<br>Methylated Adapter     | No specific data.  |
|                     | SureSelect Methyl-Seq<br>Indexing Primer Common | No specific data.  |
|                     | SureSelect Methyl-Seq<br>PCR1 Primer F          | No specific data.  |
|                     | SureSelect Methyl-Seq<br>PCR1 primer R          | No specific data.  |
|                     | SureSelect Methyl-Seq PCR<br>Master Mix         | No specific data.  |
|                     | SureSelect Methyl-Seq<br>Library Prep Kit       | No specific data.  |
|                     | SureSelect Hyb 1                                | No specific data.  |
|                     | SureSelect Hyb 2                                | No specific data.  |
|                     | SureSelect Hyb 4                                | No specific data.  |
|                     | SureSelect Binding Buffer                       | No specific data.  |
|                     | SureSelect Wash Buffer 1                        | No specific data.  |
|                     | SureSelect Wash Buffer 2                        | No specific data.  |
|                     | SureSelect Elution Buffer                       | No specific data.  |
|                     | SureSelect Block 2                              | No specific data.  |
|                     | SureSelect Hyb 3                                | No specific data.  |
|                     | SureSelect RNase Block                          | No specific data.  |
|                     | SureSelect Indexing Block 1                     | No specific data.  |
|                     | SureSelect Methyl-Seq<br>Block 3                | No specific data.  |
| <b>Skin contact</b> | : 10X End Repair Buffer                         | No specific data.  |
|                     | 5X T4 DNA Ligase Buffer                         | No specific data.  |
|                     | Klenow DNA Polymerase                           | No specific data.  |
|                     | T4 DNA Ligase                                   | No specific data.  |
|                     | T4 DNA Polymerase                               | No specific data.  |
|                     | T4 Polynucleotide Kinase                        | No specific data.  |
|                     | dNTP Mix  | No specific data.  |
|                     | 10x Klenow Polymerase<br>Buffer                 | No specific data.  |
|                     | Exo(-) Klenow<br>dATP                           | No specific data.<br>No specific data.   |

## Section 4. First aid measures

|  |                   |
|--|-------------------|
| SureSelect Methyl-Seq Methylated Adapter     | No specific data. |
| SureSelect Methyl-Seq Indexing Primer Common | No specific data. |
| SureSelect Methyl-Seq PCR1 Primer F          | No specific data. |
| SureSelect Methyl-Seq PCR1 primer R          | No specific data. |
| SureSelect Methyl-Seq PCR Master Mix         | No specific data. |
| SureSelect Methyl-Seq Library Prep Kit       | No specific data. |
| SureSelect Hyb 1                             | No specific data. |
| SureSelect Hyb 2                             | No specific data. |
| SureSelect Hyb 4                             | No specific data. |
| SureSelect Binding Buffer                    | No specific data. |
| SureSelect Wash Buffer 1                     | No specific data. |
| SureSelect Wash Buffer 2                     | No specific data. |
| SureSelect Elution Buffer                    | No specific data. |
| SureSelect Block 2                           | No specific data. |
| SureSelect Hyb 3                             | No specific data. |
| SureSelect RNase Block                       | No specific data. |
| SureSelect Indexing Block 1                  | No specific data. |
| SureSelect Methyl-Seq Block 3                | No specific data. |
| 10X End Repair Buffer                        | No specific data. |
| 5X T4 DNA Ligase Buffer                      | No specific data. |
| Klenow DNA Polymerase                        | No specific data. |
| T4 DNA Ligase                                | No specific data. |
| T4 DNA Polymerase                            | No specific data. |
| T4 Polynucleotide Kinase                     | No specific data. |
| dNTP Mix                                     | No specific data. |
| 10x Klenow Polymerase Buffer                 | No specific data. |
| Exo(-) Klenow dATP                           | No specific data. |
| SureSelect Methyl-Seq Methylated Adapter     | No specific data. |
| SureSelect Methyl-Seq Indexing Primer Common | No specific data. |
| SureSelect Methyl-Seq PCR1 Primer F          | No specific data. |
| SureSelect Methyl-Seq PCR1 primer R          | No specific data. |
| SureSelect Methyl-Seq PCR Master Mix         | No specific data. |
| SureSelect Methyl-Seq Library Prep Kit       | No specific data. |
| SureSelect Hyb 1                             | No specific data. |
| SureSelect Hyb 2                             | No specific data. |
| SureSelect Hyb 4                             | No specific data. |
| SureSelect Binding Buffer                    | No specific data. |
| SureSelect Wash Buffer 1                     | No specific data. |
| SureSelect Wash Buffer 2                     | No specific data. |
| SureSelect Elution Buffer                    | No specific data. |
| SureSelect Block 2                           | No specific data. |
| SureSelect Hyb 3                             | No specific data. |
| SureSelect RNase Block                       | No specific data. |
| SureSelect Indexing Block 1                  | No specific data. |
| SureSelect Methyl-Seq Block 3                | No specific data. |

### Ingestion

|  |                   |
|--|-------------------|
| : 10X End Repair Buffer                      | No specific data. |
| 5X T4 DNA Ligase Buffer                      | No specific data. |
| Klenow DNA Polymerase                        | No specific data. |
| T4 DNA Ligase                                | No specific data. |
| T4 DNA Polymerase                            | No specific data. |
| T4 Polynucleotide Kinase                     | No specific data. |
| dNTP Mix                                     | No specific data. |
| 10x Klenow Polymerase Buffer                 | No specific data. |
| Exo(-) Klenow dATP                           | No specific data. |
| SureSelect Methyl-Seq Methylated Adapter     | No specific data. |
| SureSelect Methyl-Seq Indexing Primer Common | No specific data. |
| SureSelect Methyl-Seq PCR1 Primer F          | No specific data. |
| SureSelect Methyl-Seq PCR1 primer R          | No specific data. |
| SureSelect Methyl-Seq PCR Master Mix         | No specific data. |
| SureSelect Methyl-Seq Library Prep Kit       | No specific data. |
| SureSelect Hyb 1                             | No specific data. |
| SureSelect Hyb 2                             | No specific data. |
| SureSelect Hyb 4                             | No specific data. |
| SureSelect Binding Buffer                    | No specific data. |
| SureSelect Wash Buffer 1                     | No specific data. |
| SureSelect Wash Buffer 2                     | No specific data. |
| SureSelect Elution Buffer                    | No specific data. |
| SureSelect Block 2                           | No specific data. |
| SureSelect Hyb 3                             | No specific data. |
| SureSelect RNase Block                       | No specific data. |
| SureSelect Indexing Block 1                  | No specific data. |
| SureSelect Methyl-Seq Block 3                | No specific data. |

**Indication of immediate medical attention and special treatment needed, if necessary**



## Section 4. First aid measures

|                           |   |  |   |
|---------------------------|---|--|---|
| <b>Notes to physician</b> | : | 10X End Repair Buffer                        | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                           |   | 5X T4 DNA Ligase Buffer                      | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                           |   | Klenow DNA Polymerase                        | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | T4 DNA Ligase                                | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | T4 DNA Polymerase                            | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | T4 Polynucleotide Kinase                     | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                           |   | dNTP Mix                                     | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                           |   | 10x Klenow Polymerase Buffer                 | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                           |   | Exo(-) Klenow                                | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | dATP   | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Methyl-Seq Methylated Adapter     | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Methyl-Seq Indexing Primer Common | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Methyl-Seq PCR1 Primer F          | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Methyl-Seq PCR1 primer R          | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Methyl-Seq PCR Master Mix         | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Methyl-Seq Library Prep Kit       | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Hyb 1                             | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
|                           |   | SureSelect Hyb 2                             | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|                           |   | SureSelect Hyb 4                             | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |

## Section 4. First aid measures

|                               |   |
|-------------------------------|---|
| SureSelect Binding Buffer     | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Wash Buffer 1      | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Wash Buffer 2      | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Elution Buffer     | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Block 2            | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| SureSelect Hyb 3              | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| SureSelect RNase Block        | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Indexing Block 1   | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Methyl-Seq Block 3 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |

### Specific treatments

|  |                        |
|--|------------------------|
| 10X End Repair Buffer                        | No specific treatment. |
| 5X T4 DNA Ligase Buffer                      | No specific treatment. |
| Klenow DNA Polymerase                        | No specific treatment. |
| T4 DNA Ligase                                | No specific treatment. |
| T4 DNA Polymerase                            | No specific treatment. |
| T4 Polynucleotide Kinase                     | No specific treatment. |
| dNTP Mix                                     | No specific treatment. |
| 10x Klenow Polymerase Buffer                 | No specific treatment. |
| Exo(-) Klenow                                | No specific treatment. |
| dATP   | No specific treatment. |
| SureSelect Methyl-Seq Methylated Adapter     | No specific treatment. |
| SureSelect Methyl-Seq Indexing Primer Common | No specific treatment. |
| SureSelect Methyl-Seq PCR1 Primer F          | No specific treatment. |
| SureSelect Methyl-Seq PCR1 primer R          | No specific treatment. |
| SureSelect Methyl-Seq PCR Master Mix         | No specific treatment. |
| SureSelect Methyl-Seq Library Prep Kit       | No specific treatment. |
| SureSelect Hyb 1                             | No specific treatment. |
| SureSelect Hyb 2                             | No specific treatment. |
| SureSelect Hyb 4                             | No specific treatment. |
| SureSelect Binding Buffer                    | No specific treatment. |
| SureSelect Wash Buffer 1                     | No specific treatment. |
| SureSelect Wash Buffer 2                     | No specific treatment. |
| SureSelect Elution Buffer                    | No specific treatment. |
| SureSelect Block 2                           | No specific treatment. |
| SureSelect Hyb 3                             | No specific treatment. |
| SureSelect RNase Block                       | No specific treatment. |
| SureSelect Indexing Block 1                  | No specific treatment. |

## Section 4. First aid measures

|                                   |  |  |
|-----------------------------------|--|--|
|                                   | SureSelect Methyl-Seq Block 3                | No specific treatment.   |
| <b>Protection of first-aiders</b> | : 10X End Repair Buffer                      | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | 5X T4 DNA Ligase Buffer                      | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
|                                   | Klenow DNA Polymerase                        | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | T4 DNA Ligase                                | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | T4 DNA Polymerase                            | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | T4 Polynucleotide Kinase                     | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | dNTP Mix                                     | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | 10x Klenow Polymerase Buffer                 | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | Exo(-) Klenow                                | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | dATP   | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Methyl-Seq Methylated Adapter     | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Methyl-Seq Indexing Primer Common | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Methyl-Seq PCR1 Primer F          | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Methyl-Seq PCR1 primer R          | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Methyl-Seq PCR Master Mix         | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Methyl-Seq Library Prep Kit       | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Hyb 1                             | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
|                                   | SureSelect Hyb 2                             | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Hyb 4                             | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Binding Buffer                    | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Wash Buffer 1                     | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Wash Buffer 2                     | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Elution Buffer                    | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
|                                   | SureSelect Block 2                           | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Hyb 3                             | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect RNase Block                       | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Indexing Block 1                  | No action shall be taken involving any personal risk or without suitable training.   |
|                                   | SureSelect Methyl-Seq                        | No action shall be taken involving any personal risk   |

## Section 4. First aid measures

Block 3

or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

#### Suitable extinguishing media

|  |   |
|--|---|
| : 10X End Repair Buffer                      | Use an extinguishing agent suitable for the surrounding fire. |
| 5X T4 DNA Ligase Buffer                      | Use an extinguishing agent suitable for the surrounding fire. |
| Klenow DNA Polymerase                        | Use an extinguishing agent suitable for the surrounding fire. |
| T4 DNA Ligase                                | Use an extinguishing agent suitable for the surrounding fire. |
| T4 DNA Polymerase                            | Use an extinguishing agent suitable for the surrounding fire. |
| T4 Polynucleotide Kinase                     | Use an extinguishing agent suitable for the surrounding fire. |
| dNTP Mix                                     | Use an extinguishing agent suitable for the surrounding fire. |
| 10x Klenow Polymerase Buffer                 | Use an extinguishing agent suitable for the surrounding fire. |
| Exo(-) Klenow                                | Use an extinguishing agent suitable for the surrounding fire. |
| dATP   | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Methyl-Seq Methylated Adapter     | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Methyl-Seq Indexing Primer Common | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Methyl-Seq PCR1 Primer F          | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Methyl-Seq PCR1 primer R          | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Methyl-Seq PCR Master Mix         | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Methyl-Seq Library Prep Kit       | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb 1                             | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb 2                             | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb 4                             | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Binding Buffer                    | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Wash Buffer 1                     | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Wash Buffer 2                     | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Elution Buffer                    | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Block 2                           | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Hyb 3                             | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect RNase Block                       | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Indexing Block 1                  | Use an extinguishing agent suitable for the surrounding fire. |
| SureSelect Methyl-Seq Block 3                | Use an extinguishing agent suitable for the surrounding fire. |

## Section 5. Firefighting measures

|                                       |   |  |             |
|---------------------------------------|---|--|-------------|
| <b>Unsuitable extinguishing media</b> | : | 10X End Repair Buffer                        | None known. |
|                                       |   | 5X T4 DNA Ligase Buffer                      | None known. |
|                                       |   | Klenow DNA Polymerase                        | None known. |
|                                       |   | T4 DNA Ligase                                | None known. |
|                                       |   | T4 DNA Polymerase                            | None known. |
|                                       |   | T4 Polynucleotide Kinase                     | None known. |
|                                       |   | dNTP Mix                                     | None known. |
|                                       |   | 10x Klenow Polymerase Buffer                 | None known. |
|                                       |   | Exo(-) Klenow                                | None known. |
|                                       |   | dATP   | None known. |
|                                       |   | SureSelect Methyl-Seq Methylated Adapter     | None known. |
|                                       |   | SureSelect Methyl-Seq Indexing Primer Common | None known. |
|                                       |   | SureSelect Methyl-Seq PCR1 Primer F          | None known. |
|                                       |   | SureSelect Methyl-Seq PCR1 primer R          | None known. |
|                                       |   | SureSelect Methyl-Seq PCR Master Mix         | None known. |
|                                       |   | SureSelect Methyl-Seq Library Prep Kit       | None known. |
|                                       |   | SureSelect Hyb 1                             | None known. |
|                                       |   | SureSelect Hyb 2                             | None known. |
|                                       |   | SureSelect Hyb 4                             | None known. |
|                                       |   | SureSelect Binding Buffer                    | None known. |
|                                       |   | SureSelect Wash Buffer 1                     | None known. |
|                                       |   | SureSelect Wash Buffer 2                     | None known. |
|                                       |   | SureSelect Elution Buffer                    | None known. |
|                                       |   | SureSelect Block 2                           | None known. |
|                                       |   | SureSelect Hyb 3                             | None known. |
|                                       |   | SureSelect RNase Block                       | None known. |
|                                       |   | SureSelect Indexing Block 1                  | None known. |
|                                       |   | SureSelect Methyl-Seq Block 3                | None known. |

|   |   |  |   |
|---|---|--|---|
| <b>Specific hazards arising from the chemical</b> | : | 10X End Repair Buffer                        | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | 5X T4 DNA Ligase Buffer                      | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | Klenow DNA Polymerase                        | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | T4 DNA Ligase                                | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | T4 DNA Polymerase                            | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | T4 Polynucleotide Kinase                     | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | dNTP Mix                                     | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | 10x Klenow Polymerase Buffer                 | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | Exo(-) Klenow                                | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | dATP   | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | SureSelect Methyl-Seq Methylated Adapter     | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | SureSelect Methyl-Seq Indexing Primer Common | In a fire or if heated, a pressure increase will occur and the container may burst. |
|   |   | SureSelect Methyl-Seq PCR1 Primer F          | In a fire or if heated, a pressure increase will occur and the container may burst. |

## Section 5. Firefighting measures

|   |  |   |
|---|--|---|
|   | SureSelect Methyl-Seq PCR1 primer R    | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Methyl-Seq PCR Master Mix   | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Methyl-Seq Library Prep Kit | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Hyb 1                       | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Hyb 2                       | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Hyb 4                       | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Binding Buffer              | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Wash Buffer 1               | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Wash Buffer 2               | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Elution Buffer              | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Block 2                     | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Hyb 3                       | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect RNase Block                 | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Indexing Block 1            | In a fire or if heated, a pressure increase will occur and the container may burst.   |
|   | SureSelect Methyl-Seq Block 3          | In a fire or if heated, a pressure increase will occur and the container may burst.   |
| <b>Hazardous thermal decomposition products</b> | : 10X End Repair Buffer                | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>halogenated compounds<br>metal oxide/oxides |
|   | 5X T4 DNA Ligase Buffer                | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>halogenated compounds<br>metal oxide/oxides                  |
|   | Klenow DNA Polymerase                  | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
|   | T4 DNA Ligase                          | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
|   | T4 DNA Polymerase                      | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
|   | T4 Polynucleotide Kinase               | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>phosphorus oxides  |



## Section 5. Firefighting measures

|  |  |
|--|--|
| dNTP Mix                                     | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>phosphorus oxides                           |
| 10x Klenow Polymerase Buffer                 | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>halogenated compounds<br>metal oxide/oxides |
| Exo(-) Klenow                                | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide   |
| dATP   | No specific data.  |
| SureSelect Methyl-Seq Methylated Adapter     | No specific data.  |
| SureSelect Methyl-Seq Indexing Primer Common | No specific data.  |
| SureSelect Methyl-Seq PCR1 Primer F          | No specific data.  |
| SureSelect Methyl-Seq PCR1 primer R          | No specific data.  |
| SureSelect Methyl-Seq PCR Master Mix         | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide   |
| SureSelect Methyl-Seq Library Prep Kit       | No specific data.  |
| SureSelect Hyb 1                             | Decomposition products may include the following materials:<br>phosphorus oxides<br>halogenated compounds<br>metal oxide/oxides                                    |
| SureSelect Hyb 2                             | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>metal oxide/oxides                          |
| SureSelect Hyb 4                             | No specific data.  |
| SureSelect Binding Buffer                    | Decomposition products may include the following materials:<br>halogenated compounds<br>metal oxide/oxides   |
| SureSelect Wash Buffer 1                     | No specific data.  |
| SureSelect Wash Buffer 2                     | No specific data.  |
| SureSelect Elution Buffer                    | No specific data.  |
| SureSelect Block 2                           | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>phosphorus oxides                           |
| SureSelect Hyb 3                             | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>halogenated compounds                       |



## Section 5. Firefighting measures

|   |   |
|---|---|
| SureSelect RNase Block                              | carbonyl halides<br>Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
| SureSelect Indexing Block 1                         | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
| SureSelect Methyl-Seq Block 3                       | No specific data.   |
| <b>Special protective actions for fire-fighters</b> |   |
| : 10X End Repair Buffer                             | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| 5X T4 DNA Ligase Buffer                             | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Klenow DNA Polymerase                               | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| T4 DNA Ligase                                       | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| T4 DNA Polymerase                                   | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| T4 Polynucleotide Kinase                            | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| dNTP Mix  | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| 10x Klenow Polymerase Buffer                        | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Exo(-) Klenow                                       | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| dATP  | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Methyl-Seq Methylated Adapter            | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Methyl-Seq Indexing Primer Common        | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Methyl-Seq PCR1 Primer F                 | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or                            |

## Section 5. Firefighting measures

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| SureSelect Methyl-Seq PCR1 primer R    | without suitable training.<br>Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Methyl-Seq PCR Master Mix   | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Methyl-Seq Library Prep Kit | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Hyb 1                       | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Hyb 2                       | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Hyb 4                       | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Binding Buffer              | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Wash Buffer 1               | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Wash Buffer 2               | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Elution Buffer              | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Block 2                     | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Hyb 3                       | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect RNase Block                 | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Indexing Block 1            | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |
| SureSelect Methyl-Seq Block 3          | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.                               |

## Section 5. Firefighting measures

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|---|--|---|
| <b>Special protective equipment for fire-fighters</b> | : 10X End Repair Buffer                      | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | 5X T4 DNA Ligase Buffer                      | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | Klenow DNA Polymerase                        | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | T4 DNA Ligase                                | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | T4 DNA Polymerase                            | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | T4 Polynucleotide Kinase                     | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | dNTP Mix                                     | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | 10x Klenow Polymerase Buffer                 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | Exo(-) Klenow                                | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | dATP   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | SureSelect Methyl-Seq Methylated Adapter     | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | SureSelect Methyl-Seq Indexing Primer Common | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | SureSelect Methyl-Seq PCR1 Primer F          | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | SureSelect Methyl-Seq PCR1 primer R          | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | SureSelect Methyl-Seq PCR Master Mix         | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
|   | SureSelect Methyl-Seq Library Prep Kit       | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

## Section 5. Firefighting measures

|                               |   |
|-------------------------------|---|
| SureSelect Hyb 1              | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Hyb 2              | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Hyb 4              | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Binding Buffer     | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Wash Buffer 1      | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Wash Buffer 2      | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Elution Buffer     | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Block 2            | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Hyb 3              | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect RNase Block        | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Indexing Block 1   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SureSelect Methyl-Seq Block 3 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                                    |                         |  |
|------------------------------------|-------------------------|--|
| <b>For non-emergency personnel</b> | : 10X End Repair Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.                              |
|                                    | 5X T4 DNA Ligase Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate |

## Section 6. Accidental release measures

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|  | respirator when ventilation is inadequate. Put on appropriate personal protective equipment.  |
| Klenow DNA Polymerase                        | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| T4 DNA Ligase                                | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| T4 DNA Polymerase                            | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| T4 Polynucleotide Kinase                     | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| dNTP Mix                                     | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| 10x Klenow Polymerase Buffer                 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| Exo(-) Klenow                                | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| dATP   | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Methyl-Seq Methylated Adapter     | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Methyl-Seq Indexing Primer Common | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Methyl-Seq                        | No action shall be taken involving any personal risk  |



## Section 6. Accidental release measures

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| PCR1 Primer F                          | or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.  |
| SureSelect Methyl-Seq PCR1 primer R    | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Methyl-Seq PCR Master Mix   | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Methyl-Seq Library Prep Kit | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Hyb 1                       | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| SureSelect Hyb 2                       | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Hyb 4                       | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Binding Buffer              | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Wash Buffer 1               | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Wash Buffer 2               | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.   |
| SureSelect Elution Buffer              | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding   |

## Section 6. Accidental release measures

|   |   |
|---|---|
|   | areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| SureSelect Block 2                                      | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.                   |
| SureSelect Hyb 3  | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.                   |
| SureSelect RNase Block                                  | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.                   |
| SureSelect Indexing Block 1                             | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.                   |
| SureSelect Methyl-Seq Block 3                           | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.                   |
| <b>For emergency responders :</b> 10X End Repair Buffer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| 5X T4 DNA Ligase Buffer                                 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| Klenow DNA Polymerase                                   | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| T4 DNA Ligase   | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| T4 DNA Polymerase                                       | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| T4 Polynucleotide Kinase                                | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| dNTP Mix  | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the   |



## Section 6. Accidental release measures

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| 10x Klenow Polymerase Buffer                 | information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Exo(-) Klenow                                | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| dATP   | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Methyl-Seq Methylated Adapter     | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Methyl-Seq Indexing Primer Common | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Methyl-Seq PCR1 Primer F          | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Methyl-Seq PCR1 primer R          | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Methyl-Seq PCR Master Mix         | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Methyl-Seq Library Prep Kit       | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Hyb 1                             | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Hyb 2                             | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Hyb 4                             | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Binding Buffer                    | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Wash Buffer 1                     | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Wash Buffer 2                     | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".   |
| SureSelect Elution Buffer                    | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the   |

## Section 6. Accidental release measures

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|-------------------------------|--|
| SureSelect Block 2            | information in "For non-emergency personnel".<br>If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Hyb 3              | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| SureSelect RNase Block        | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| SureSelect Indexing Block 1   | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| SureSelect Methyl-Seq Block 3 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |

|                                    |                              |   |
|------------------------------------|------------------------------|---|
| <b>Environmental precautions</b> : | 10X End Repair Buffer        | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | 5X T4 DNA Ligase Buffer      | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | Klenow DNA Polymerase        | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | T4 DNA Ligase                | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | T4 DNA Polymerase            | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | T4 Polynucleotide Kinase     | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | dNTP Mix                     | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | 10x Klenow Polymerase Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | Exo(-) Klenow                | Avoid dispersal of spilt material and runoff and  |

## Section 6. Accidental release measures

|  |   |
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|  | contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).  |
| dATP   | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Methyl-Seq Methylated Adapter     | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Methyl-Seq Indexing Primer Common | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Methyl-Seq PCR1 Primer F          | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Methyl-Seq PCR1 primer R          | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Methyl-Seq PCR Master Mix         | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Methyl-Seq Library Prep Kit       | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Hyb 1                             | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Hyb 2                             | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Hyb 4                             | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Binding Buffer                    | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Wash Buffer 1                     | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

## Section 6. Accidental release measures

|                               |  |
|-------------------------------|--|
| SureSelect Wash Buffer 2      | soil or air).<br>Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Elution Buffer     | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                  |
| SureSelect Block 2            | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                  |
| SureSelect Hyb 3              | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                  |
| SureSelect RNase Block        | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                  |
| SureSelect Indexing Block 1   | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                  |
| SureSelect Methyl-Seq Block 3 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                  |

### Methods and material for containment and cleaning up

|                                |                         |   |
|--------------------------------|-------------------------|---|
| <b>Methods for cleaning up</b> | : 10X End Repair Buffer | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| 5X T4 DNA Ligase Buffer        |                         | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Klenow DNA Polymerase          |                         | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| T4 DNA Ligase                  |                         | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

## Section 6. Accidental release measures

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| T4 DNA Polymerase                            | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| T4 Polynucleotide Kinase                     | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| dNTP Mix                                     | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| 10x Klenow Polymerase Buffer                 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| Exo(-) Klenow                                | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| dATP   | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Methyl-Seq Methylated Adapter     | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Methyl-Seq Indexing Primer Common | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Methyl-Seq PCR1 Primer F          | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Methyl-Seq PCR1 primer R          | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Methyl-Seq PCR Master Mix         | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an   |



## Section 6. Accidental release measures

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|  | inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Methyl-Seq Library Prep Kit | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Hyb 1                       | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Hyb 2                       | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Hyb 4                       | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Binding Buffer              | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Wash Buffer 1               | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Wash Buffer 2               | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Elution Buffer              | Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Absorb spillage to prevent material damage. Dispose of via a licensed waste disposal contractor. |
| SureSelect Block 2                     | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |
| SureSelect Hyb 3                       | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.  |



## Section 6. Accidental release measures

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| SureSelect RNase Block        | disposal contractor.<br>Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Indexing Block 1   | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.                         |
| SureSelect Methyl-Seq Block 3 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.                         |

## Section 7. Handling and storage

### Precautions for safe handling

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| <b>Protective measures</b> | : | 10X End Repair Buffer                        | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | 5X T4 DNA Ligase Buffer                      | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
|                            |   | Klenow DNA Polymerase                        | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | T4 DNA Ligase                                | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | T4 DNA Polymerase                            | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | T4 Polynucleotide Kinase                     | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | dNTP Mix                                     | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | 10x Klenow Polymerase Buffer                 | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | Exo(-) Klenow                                | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | dATP   | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | SureSelect Methyl-Seq Methylated Adapter     | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | SureSelect Methyl-Seq Indexing Primer Common | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | SureSelect Methyl-Seq PCR1 Primer F          | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | SureSelect Methyl-Seq PCR1 primer R          | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | SureSelect Methyl-Seq PCR Master Mix         | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | SureSelect Methyl-Seq Library Prep Kit       | Put on appropriate personal protective equipment (see Section 8).  |
|                            |   | SureSelect Hyb 1                             | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or   |

## Section 7. Handling and storage

mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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| SureSelect Hyb 2              | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Hyb 4              | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Binding Buffer     | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Wash Buffer 1      | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Wash Buffer 2      | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Elution Buffer     | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container. Absorb spillage to prevent material damage. |
| SureSelect Block 2            | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Hyb 3              | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect RNase Block        | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Indexing Block 1   | Put on appropriate personal protective equipment (see Section 8).  |
| SureSelect Methyl-Seq Block 3 | Put on appropriate personal protective equipment (see Section 8).  |
| 10X End Repair Buffer         | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| 5X T4 DNA Ligase Buffer       | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| Klenow DNA Polymerase         | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| T4 DNA Ligase                 | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| T4 DNA Polymerase             | Eating, drinking and smoking should be prohibited in   |

### Advice on general occupational hygiene

## Section 7. Handling and storage

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|  | areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.  |
| T4 Polynucleotide Kinase                     | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| dNTP Mix                                     | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| 10x Klenow Polymerase Buffer                 | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Exo(-) Klenow                                | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| dATP   | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Methyl-Seq Methylated Adapter     | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Methyl-Seq Indexing Primer Common | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Methyl-Seq PCR1 Primer F          | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Methyl-Seq PCR1 primer R          | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and   |

## Section 7. Handling and storage

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| SureSelect Methyl-Seq PCR Master Mix   | processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.   |
| SureSelect Methyl-Seq Library Prep Kit | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Hyb 1                       | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Hyb 2                       | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Hyb 4                       | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Binding Buffer              | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Wash Buffer 1               | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Wash Buffer 2               | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Elution Buffer              | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and   |

## Section 7. Handling and storage

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| SureSelect Block 2            | processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.   |
| SureSelect Hyb 3              | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect RNase Block        | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Indexing Block 1   | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Methyl-Seq Block 3 | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

**Conditions for safe storage, including any incompatibilities** : 10X End Repair Buffer

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

5X T4 DNA Ligase Buffer

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

Klenow DNA Polymerase

Store in accordance with local regulations. Store in original container protected from direct sunlight in a



## Section 7. Handling and storage

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|                              | dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.   |
| T4 DNA Ligase                | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| T4 DNA Polymerase            | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| T4 Polynucleotide Kinase     | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| dNTP Mix                     | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| 10x Klenow Polymerase Buffer | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| Exo(-) Klenow                | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until  |



## Section 7. Handling and storage

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|  | ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.  |
| dATP   | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect Methyl-Seq Methylated Adapter     | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect Methyl-Seq Indexing Primer Common | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect Methyl-Seq PCR1 Primer F          | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect Methyl-Seq PCR1 primer R          | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect Methyl-Seq PCR Master Mix         | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled   |

## Section 7. Handling and storage

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| SureSelect Methyl-Seq Library Prep Kit | <p>containers. Use appropriate containment to avoid environmental contamination.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.</p> |
| SureSelect Hyb 1                       | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.</p>  |
| SureSelect Hyb 2                       | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.</p>  |
| SureSelect Hyb 4                       | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.</p>  |
| SureSelect Binding Buffer              | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.</p>  |
| SureSelect Wash Buffer 1               | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.</p>  |
| SureSelect Wash Buffer 2               | <p>Store in accordance with local regulations. Store in</p>   |

## Section 7. Handling and storage

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|                               | original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.  |
| SureSelect Elution Buffer     | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in corrosive resistant container with a resistant inner liner. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. |
| SureSelect Block 2            | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.   |
| SureSelect Hyb 3              | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.   |
| SureSelect RNase Block        | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.   |
| SureSelect Indexing Block 1   | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.   |
| SureSelect Methyl-Seq Block 3 | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from   |

## Section 7. Handling and storage

incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls and personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name   | Exposure limits   |
|---|---|
| <b>5X T4 DNA Ligase Buffer</b><br>Polyethylene glycol   | <b>TRGS900 AGW (Germany, 6/2016).</b><br>PEAK: 8000 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction<br>TWA: 1000 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction |
| <b>Klenow DNA Polymerase</b><br>Glycerol                | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |
| <b>T4 DNA Ligase</b><br>Glycerol                        | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |
| <b>T4 DNA Polymerase</b><br>Glycerol                    | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |
| <b>T4 Polynucleotide Kinase</b><br>Glycerol             | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |
| <b>Exo(-) Klenow</b><br>Glycerol                        | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |
| <b>SureSelect Methyl-Seq PCR Master Mix</b><br>Glycerol | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |
| <b>SureSelect RNase Block</b><br>Glycerol               | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |
| <b>SureSelect Indexing Block 1</b><br>Glycerol          | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.   |

- Appropriate engineering controls** : ☑ Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## Section 8. Exposure controls and personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

|                       |   |  |         |
|-----------------------|---|--|---------|
| <b>Physical state</b> | : | 10X End Repair Buffer                        | Liquid. |
|                       |   | 5X T4 DNA Ligase Buffer                      | Liquid. |
|                       |   | Klenow DNA Polymerase                        | Liquid. |
|                       |   | T4 DNA Ligase                                | Liquid. |
|                       |   | T4 DNA Polymerase                            | Liquid. |
|                       |   | T4 Polynucleotide Kinase                     | Liquid. |
|                       |   | dNTP Mix                                     | Liquid. |
|                       |   | 10x Klenow Polymerase Buffer                 | Liquid. |
|                       |   | Exo(-) Klenow                                | Liquid. |
|                       |   | dATP   | Liquid. |
|                       |   | SureSelect Methyl-Seq Methylated Adapter     | Liquid. |
|                       |   | SureSelect Methyl-Seq Indexing Primer Common | Liquid. |
|                       |   | SureSelect Methyl-Seq PCR1 Primer F          | Liquid. |
|                       |   | SureSelect Methyl-Seq PCR1 primer R          | Liquid. |
|                       |   | SureSelect Methyl-Seq PCR Master Mix         | Liquid. |
|                       |   | SureSelect Methyl-Seq Library Prep Kit       | Liquid. |
|                       |   | SureSelect Hyb 1                             | Liquid. |
|                       |   | SureSelect Hyb 2                             | Liquid. |
|                       |   | SureSelect Hyb 4                             | Liquid. |
|                       |   | SureSelect Binding Buffer                    | Liquid. |

## Section 9. Physical and chemical properties

|               |  |                |
|---------------|--|----------------|
|               | SureSelect Wash Buffer 1                     | Liquid.        |
|               | SureSelect Wash Buffer 2                     | Liquid.        |
|               | SureSelect Elution Buffer                    | Liquid.        |
|               | SureSelect Block 2                           | Liquid.        |
|               | SureSelect Hyb 3                             | Liquid.        |
|               | SureSelect RNase Block                       | Liquid.        |
|               | SureSelect Indexing Block 1                  | Liquid.        |
|               | SureSelect Methyl-Seq Block 3                | Liquid.        |
| <b>Colour</b> | <b>:</b> 10X End Repair Buffer               | Not available. |
|               | 5X T4 DNA Ligase Buffer                      | Not available. |
|               | Klenow DNA Polymerase                        | Not available. |
|               | T4 DNA Ligase                                | Not available. |
|               | T4 DNA Polymerase                            | Not available. |
|               | T4 Polynucleotide Kinase                     | Not available. |
|               | dNTP Mix                                     | Not available. |
|               | 10x Klenow Polymerase Buffer                 | Not available. |
|               | Exo(-) Klenow                                | Not available. |
|               | dATP   | Not available. |
|               | SureSelect Methyl-Seq Methylated Adapter     | Not available. |
|               | SureSelect Methyl-Seq Indexing Primer Common | Not available. |
|               | SureSelect Methyl-Seq PCR1 Primer F          | Not available. |
|               | SureSelect Methyl-Seq PCR1 primer R          | Not available. |
|               | SureSelect Methyl-Seq PCR Master Mix         | Not available. |
|               | SureSelect Methyl-Seq Library Prep Kit       | Not available. |
|               | SureSelect Hyb 1                             | Not available. |
|               | SureSelect Hyb 2                             | Not available. |
|               | SureSelect Hyb 4                             | Not available. |
|               | SureSelect Binding Buffer                    | Not available. |
|               | SureSelect Wash Buffer 1                     | Not available. |
|               | SureSelect Wash Buffer 2                     | Not available. |
|               | SureSelect Elution Buffer                    | Not available. |
|               | SureSelect Block 2                           | Colourless.    |
|               | SureSelect Hyb 3                             | Not available. |
|               | SureSelect RNase Block                       | Not available. |
|               | SureSelect Indexing Block 1                  | Not available. |
|               | SureSelect Methyl-Seq Block 3                | Not available. |
| <b>Odour</b>  | <b>:</b> 10X End Repair Buffer               | Not available. |
|               | 5X T4 DNA Ligase Buffer                      | Not available. |
|               | Klenow DNA Polymerase                        | Not available. |
|               | T4 DNA Ligase                                | Not available. |
|               | T4 DNA Polymerase                            | Not available. |
|               | T4 Polynucleotide Kinase                     | Not available. |
|               | dNTP Mix                                     | Not available. |
|               | 10x Klenow Polymerase Buffer                 | Not available. |
|               | Exo(-) Klenow                                | Not available. |
|               | dATP   | Not available. |
|               | SureSelect Methyl-Seq Methylated Adapter     | Not available. |
|               | SureSelect Methyl-Seq Indexing Primer Common | Not available. |
|               | SureSelect Methyl-Seq PCR1 Primer F          | Not available. |



## Section 9. Physical and chemical properties

|                        |  |                |
|------------------------|--|----------------|
|                        | SureSelect Methyl-Seq PCR1 primer R          | Not available. |
|                        | SureSelect Methyl-Seq PCR Master Mix         | Not available. |
|                        | SureSelect Methyl-Seq Library Prep Kit       | Not available. |
|                        | SureSelect Hyb 1                             | Not available. |
|                        | SureSelect Hyb 2                             | Not available. |
|                        | SureSelect Hyb 4                             | Not available. |
|                        | SureSelect Binding Buffer                    | Not available. |
|                        | SureSelect Wash Buffer 1                     | Not available. |
|                        | SureSelect Wash Buffer 2                     | Not available. |
|                        | SureSelect Elution Buffer                    | Not available. |
|                        | SureSelect Block 2                           | Odourless.     |
|                        | SureSelect Hyb 3                             | Not available. |
|                        | SureSelect RNase Block                       | Not available. |
|                        | SureSelect Indexing Block 1                  | Not available. |
|                        | SureSelect Methyl-Seq Block 3                | Not available. |
| <b>Odour threshold</b> | : 10X End Repair Buffer                      | Not available. |
|                        | 5X T4 DNA Ligase Buffer                      | Not available. |
|                        | Klenow DNA Polymerase                        | Not available. |
|                        | T4 DNA Ligase                                | Not available. |
|                        | T4 DNA Polymerase                            | Not available. |
|                        | T4 Polynucleotide Kinase                     | Not available. |
|                        | dNTP Mix                                     | Not available. |
|                        | 10x Klenow Polymerase Buffer                 | Not available. |
|                        | Exo(-) Klenow                                | Not available. |
|                        | dATP   | Not available. |
|                        | SureSelect Methyl-Seq Methylated Adapter     | Not available. |
|                        | SureSelect Methyl-Seq Indexing Primer Common | Not available. |
|                        | SureSelect Methyl-Seq PCR1 Primer F          | Not available. |
|                        | SureSelect Methyl-Seq PCR1 primer R          | Not available. |
|                        | SureSelect Methyl-Seq PCR Master Mix         | Not available. |
|                        | SureSelect Methyl-Seq Library Prep Kit       | Not available. |
|                        | SureSelect Hyb 1                             | Not available. |
|                        | SureSelect Hyb 2                             | Not available. |
|                        | SureSelect Hyb 4                             | Not available. |
|                        | SureSelect Binding Buffer                    | Not available. |
|                        | SureSelect Wash Buffer 1                     | Not available. |
|                        | SureSelect Wash Buffer 2                     | Not available. |
|                        | SureSelect Elution Buffer                    | Not available. |
|                        | SureSelect Block 2                           | Not available. |
|                        | SureSelect Hyb 3                             | Not available. |
|                        | SureSelect RNase Block                       | Not available. |
|                        | SureSelect Indexing Block 1                  | Not available. |
|                        | SureSelect Methyl-Seq Block 3                | Not available. |
| <b>pH</b>              | : 10X End Repair Buffer                      | 7.5            |
|                        | 5X T4 DNA Ligase Buffer                      | 7.5            |
|                        | Klenow DNA Polymerase                        | 7              |
|                        | T4 DNA Ligase                                | 7.4            |
|                        | T4 DNA Polymerase                            | 6.5            |
|                        | T4 Polynucleotide Kinase                     | 7.4            |
|                        | dNTP Mix                                     | 7.5            |

**Section 9. Physical and chemical properties**

|                             |                |
|-----------------------------|----------------|
| 10x Klenow Polymerase       | 7.5            |
| Buffer                      |                |
| Exo(-) Klenow               | 7              |
| dATP                        | Not available. |
| SureSelect Methyl-Seq       | 7.5            |
| Methylated Adapter          |                |
| SureSelect Methyl-Seq       | 7.5            |
| Indexing Primer Common      |                |
| SureSelect Methyl-Seq       | 7.5            |
| PCR1 Primer F               |                |
| SureSelect Methyl-Seq       | 7.5            |
| PCR1 primer R               |                |
| SureSelect Methyl-Seq PCR   | 8.8            |
| Master Mix                  |                |
| SureSelect Methyl-Seq       | 7              |
| Library Prep Kit            |                |
| SureSelect Hyb 1            | 7.4            |
| SureSelect Hyb 2            | 8              |
| SureSelect Hyb 4            | Not available. |
| SureSelect Binding Buffer   | 7.5            |
| SureSelect Wash Buffer 1    | 7.5            |
| SureSelect Wash Buffer 2    | 7              |
| SureSelect Elution Buffer   | 12.2 to 13.4   |
| SureSelect Block 2          | 8              |
| SureSelect Hyb 3            | 7              |
| SureSelect RNase Block      | Not available. |
| SureSelect Indexing Block 1 | Not available. |
| SureSelect Methyl-Seq       | Not available. |
| Block 3                     |                |
| 10X End Repair Buffer       | Not available. |
| 5X T4 DNA Ligase Buffer     | Not available. |
| Klenow DNA Polymerase       | Not available. |
| T4 DNA Ligase               | Not available. |
| T4 DNA Polymerase           | Not available. |
| T4 Polynucleotide Kinase    | Not available. |
| dNTP Mix                    | 0°C (32°F)     |
| 10x Klenow Polymerase       | Not available. |
| Buffer                      |                |
| Exo(-) Klenow               | Not available. |
| dATP                        | 0°C (32°F)     |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| Methylated Adapter          |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| Indexing Primer Common      |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| PCR1 Primer F               |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| PCR1 primer R               |                |
| SureSelect Methyl-Seq PCR   | 0°C (32°F)     |
| Master Mix                  |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| Library Prep Kit            |                |
| SureSelect Hyb 1            | Not available. |
| SureSelect Hyb 2            | Not available. |
| SureSelect Hyb 4            | 0°C (32°F)     |
| SureSelect Binding Buffer   | Not available. |
| SureSelect Wash Buffer 1    | 0°C (32°F)     |
| SureSelect Wash Buffer 2    | 0°C (32°F)     |
| SureSelect Elution Buffer   | 0°C (32°F)     |
| SureSelect Block 2          | 0°C (32°F)     |
| SureSelect Hyb 3            | 0°C (32°F)     |
| SureSelect RNase Block      | Not available. |
| SureSelect Indexing Block 1 | 0°C (32°F)     |

**Melting point**

|                             |                |
|-----------------------------|----------------|
| 10X End Repair Buffer       | Not available. |
| 5X T4 DNA Ligase Buffer     | Not available. |
| Klenow DNA Polymerase       | Not available. |
| T4 DNA Ligase               | Not available. |
| T4 DNA Polymerase           | Not available. |
| T4 Polynucleotide Kinase    | Not available. |
| dNTP Mix                    | 0°C (32°F)     |
| 10x Klenow Polymerase       | Not available. |
| Buffer                      |                |
| Exo(-) Klenow               | Not available. |
| dATP                        | 0°C (32°F)     |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| Methylated Adapter          |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| Indexing Primer Common      |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| PCR1 Primer F               |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| PCR1 primer R               |                |
| SureSelect Methyl-Seq PCR   | 0°C (32°F)     |
| Master Mix                  |                |
| SureSelect Methyl-Seq       | 0°C (32°F)     |
| Library Prep Kit            |                |
| SureSelect Hyb 1            | Not available. |
| SureSelect Hyb 2            | Not available. |
| SureSelect Hyb 4            | 0°C (32°F)     |
| SureSelect Binding Buffer   | Not available. |
| SureSelect Wash Buffer 1    | 0°C (32°F)     |
| SureSelect Wash Buffer 2    | 0°C (32°F)     |
| SureSelect Elution Buffer   | 0°C (32°F)     |
| SureSelect Block 2          | 0°C (32°F)     |
| SureSelect Hyb 3            | 0°C (32°F)     |
| SureSelect RNase Block      | Not available. |
| SureSelect Indexing Block 1 | 0°C (32°F)     |

## Section 9. Physical and chemical properties

|                      |  |                |
|----------------------|--|----------------|
|                      | SureSelect Methyl-Seq Block 3                | 0°C (32°F)     |
| <b>Boiling point</b> | : 10X End Repair Buffer                      | Not available. |
|                      | 5X T4 DNA Ligase Buffer                      | Not available. |
|                      | Klenow DNA Polymerase                        | Not available. |
|                      | T4 DNA Ligase                                | Not available. |
|                      | T4 DNA Polymerase                            | Not available. |
|                      | T4 Polynucleotide Kinase                     | Not available. |
|                      | dNTP Mix                                     | 100°C (212°F)  |
|                      | 10x Klenow Polymerase Buffer                 | Not available. |
|                      | Exo(-) Klenow                                | Not available. |
|                      | dATP   | 100°C (212°F)  |
|                      | SureSelect Methyl-Seq Methylated Adapter     | 100°C (212°F)  |
|                      | SureSelect Methyl-Seq Indexing Primer Common | 100°C (212°F)  |
|                      | SureSelect Methyl-Seq PCR1 Primer F          | 100°C (212°F)  |
|                      | SureSelect Methyl-Seq PCR1 primer R          | 100°C (212°F)  |
|                      | SureSelect Methyl-Seq PCR Master Mix         | 100°C (212°F)  |
|                      | SureSelect Methyl-Seq Library Prep Kit       | 100°C (212°F)  |
|                      | SureSelect Hyb 1                             | Not available. |
|                      | SureSelect Hyb 2                             | Not available. |
|                      | SureSelect Hyb 4                             | 100°C (212°F)  |
|                      | SureSelect Binding Buffer                    | Not available. |
|                      | SureSelect Wash Buffer 1                     | 100°C (212°F)  |
|                      | SureSelect Wash Buffer 2                     | 100°C (212°F)  |
|                      | SureSelect Elution Buffer                    | 100°C (212°F)  |
|                      | SureSelect Block 2                           | 100°C (212°F)  |
|                      | SureSelect Hyb 3                             | 100°C (212°F)  |
|                      | SureSelect RNase Block                       | Not available. |
|                      | SureSelect Indexing Block 1                  | 100°C (212°F)  |
|                      | SureSelect Methyl-Seq Block 3                | 100°C (212°F)  |
| <b>Flash point</b>   | : 10X End Repair Buffer                      | Not available. |
|                      | 5X T4 DNA Ligase Buffer                      | Not available. |
|                      | Klenow DNA Polymerase                        | Not available. |
|                      | T4 DNA Ligase                                | Not available. |
|                      | T4 DNA Polymerase                            | Not available. |
|                      | T4 Polynucleotide Kinase                     | Not available. |
|                      | dNTP Mix                                     | Not available. |
|                      | 10x Klenow Polymerase Buffer                 | Not available. |
|                      | Exo(-) Klenow                                | Not available. |
|                      | dATP   | Not available. |
|                      | SureSelect Methyl-Seq Methylated Adapter     | Not available. |
|                      | SureSelect Methyl-Seq Indexing Primer Common | Not available. |
|                      | SureSelect Methyl-Seq PCR1 Primer F          | Not available. |
|                      | SureSelect Methyl-Seq PCR1 primer R          | Not available. |
|                      | SureSelect Methyl-Seq PCR Master Mix         | Not available. |
|                      | SureSelect Methyl-Seq Library Prep Kit       | Not available. |
|                      | SureSelect Hyb 1                             | Not available. |

## Section 9. Physical and chemical properties

|                                  |  |                 |
|----------------------------------|--|-----------------|
|                                  | SureSelect Hyb 2                             | Not available.  |
|                                  | SureSelect Hyb 4                             | Not available.  |
|                                  | SureSelect Binding Buffer                    | Not available.  |
|                                  | SureSelect Wash Buffer 1                     | Not available.  |
|                                  | SureSelect Wash Buffer 2                     | Not available.  |
|                                  | SureSelect Elution Buffer                    | Not available.  |
|                                  | SureSelect Block 2                           | Not available.  |
|                                  | SureSelect Hyb 3                             | Not available.  |
|                                  | SureSelect RNase Block                       | Not available.  |
|                                  | SureSelect Indexing Block 1                  | Not available.  |
|                                  | SureSelect Methyl-Seq Block 3                | Not available.  |
| <b>Evaporation rate</b>          | : 10X End Repair Buffer                      | Not available.  |
|                                  | 5X T4 DNA Ligase Buffer                      | Not available.  |
|                                  | Klenow DNA Polymerase                        | Not available.  |
|                                  | T4 DNA Ligase                                | Not available.  |
|                                  | T4 DNA Polymerase                            | Not available.  |
|                                  | T4 Polynucleotide Kinase                     | Not available.  |
|                                  | dNTP Mix                                     | Not available.  |
|                                  | 10x Klenow Polymerase Buffer                 | Not available.  |
|                                  | Exo(-) Klenow dATP                           | Not available.  |
|                                  | SureSelect Methyl-Seq Methylated Adapter     | Not available.  |
|                                  | SureSelect Methyl-Seq Indexing Primer Common | Not available.  |
|                                  | SureSelect Methyl-Seq PCR1 Primer F          | Not available.  |
|                                  | SureSelect Methyl-Seq PCR1 primer R          | Not available.  |
|                                  | SureSelect Methyl-Seq PCR Master Mix         | Not available.  |
|                                  | SureSelect Methyl-Seq Library Prep Kit       | Not available.  |
|                                  | SureSelect Hyb 1                             | Not available.  |
|                                  | SureSelect Hyb 2                             | Not available.  |
|                                  | SureSelect Hyb 4                             | Not available.  |
|                                  | SureSelect Binding Buffer                    | Not available.  |
|                                  | SureSelect Wash Buffer 1                     | Not available.  |
|                                  | SureSelect Wash Buffer 2                     | Not available.  |
|                                  | SureSelect Elution Buffer                    | Not available.  |
|                                  | SureSelect Block 2                           | Not available.  |
|                                  | SureSelect Hyb 3                             | Not available.  |
|                                  | SureSelect RNase Block                       | Not available.  |
|                                  | SureSelect Indexing Block 1                  | Not available.  |
|                                  | SureSelect Methyl-Seq Block 3                | Not available.  |
| <b>Flammability (solid, gas)</b> | : 10X End Repair Buffer                      | Not applicable. |
|                                  | 5X T4 DNA Ligase Buffer                      | Not applicable. |
|                                  | Klenow DNA Polymerase                        | Not applicable. |
|                                  | T4 DNA Ligase                                | Not applicable. |
|                                  | T4 DNA Polymerase                            | Not applicable. |
|                                  | T4 Polynucleotide Kinase                     | Not applicable. |
|                                  | dNTP Mix                                     | Not applicable. |
|                                  | 10x Klenow Polymerase Buffer                 | Not applicable. |
|                                  | Exo(-) Klenow dATP                           | Not applicable. |
|                                  | SureSelect Methyl-Seq Methylated Adapter     | Not applicable. |
|                                  | SureSelect Methyl-Seq                        | Not applicable. |

## Section 9. Physical and chemical properties

|   |  |                 |
|---|--|-----------------|
|   | Indexing Primer Common                       |                 |
|   | SureSelect Methyl-Seq PCR1 Primer F          | Not applicable. |
|   | SureSelect Methyl-Seq PCR1 primer R          | Not applicable. |
|   | SureSelect Methyl-Seq PCR Master Mix         | Not applicable. |
|   | SureSelect Methyl-Seq Library Prep Kit       | Not applicable. |
|   | SureSelect Hyb 1                             | Not applicable. |
|   | SureSelect Hyb 2                             | Not applicable. |
|   | SureSelect Hyb 4                             | Not applicable. |
|   | SureSelect Binding Buffer                    | Not applicable. |
|   | SureSelect Wash Buffer 1                     | Not applicable. |
|   | SureSelect Wash Buffer 2                     | Not applicable. |
|   | SureSelect Elution Buffer                    | Not applicable. |
|   | SureSelect Block 2                           | Not applicable. |
|   | SureSelect Hyb 3                             | Not applicable. |
|   | SureSelect RNase Block                       | Not applicable. |
|   | SureSelect Indexing Block 1                  | Not applicable. |
|   | SureSelect Methyl-Seq Block 3                | Not applicable. |
| <b>Lower and upper explosive (flammable) limits</b> | 10X End Repair Buffer                        | Not available.  |
|   | 5X T4 DNA Ligase Buffer                      | Not available.  |
|   | Klenow DNA Polymerase                        | Not available.  |
|   | T4 DNA Ligase                                | Not available.  |
|   | T4 DNA Polymerase                            | Not available.  |
|   | T4 Polynucleotide Kinase                     | Not available.  |
|   | dNTP Mix                                     | Not available.  |
|   | 10x Klenow Polymerase Buffer                 | Not available.  |
|   | Exo(-) Klenow dATP                           | Not available.  |
|   | SureSelect Methyl-Seq Methylated Adapter     | Not available.  |
|   | SureSelect Methyl-Seq Indexing Primer Common | Not available.  |
|   | SureSelect Methyl-Seq PCR1 Primer F          | Not available.  |
|   | SureSelect Methyl-Seq PCR1 primer R          | Not available.  |
|   | SureSelect Methyl-Seq PCR Master Mix         | Not available.  |
|   | SureSelect Methyl-Seq Library Prep Kit       | Not available.  |
|   | SureSelect Hyb 1                             | Not available.  |
|   | SureSelect Hyb 2                             | Not available.  |
|   | SureSelect Hyb 4                             | Not available.  |
|   | SureSelect Binding Buffer                    | Not available.  |
|   | SureSelect Wash Buffer 1                     | Not available.  |
|   | SureSelect Wash Buffer 2                     | Not available.  |
|   | SureSelect Elution Buffer                    | Not available.  |
|   | SureSelect Block 2                           | Not available.  |
|   | SureSelect Hyb 3                             | Not available.  |
|   | SureSelect RNase Block                       | Not available.  |
|   | SureSelect Indexing Block 1                  | Not available.  |
|   | SureSelect Methyl-Seq Block 3                | Not available.  |

## Section 9. Physical and chemical properties

|                        |                       |  |                         |                |
|------------------------|-----------------------|--|-------------------------|----------------|
| <b>Vapour pressure</b> | :                     | 10X End Repair Buffer                        | Not available.          |                |
|                        |                       | 5X T4 DNA Ligase Buffer                      | Not available.          |                |
|                        |                       | Klenow DNA Polymerase                        | Not available.          |                |
|                        |                       | T4 DNA Ligase                                | Not available.          |                |
|                        |                       | T4 DNA Polymerase                            | Not available.          |                |
|                        |                       | T4 Polynucleotide Kinase                     | Not available.          |                |
|                        |                       | dNTP Mix                                     | Not available.          |                |
|                        |                       | 10x Klenow Polymerase Buffer                 | Not available.          |                |
|                        |                       | Exo(-) Klenow                                | Not available.          |                |
|                        |                       | dATP   | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq Methylated Adapter     | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq Indexing Primer Common | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq PCR1 Primer F          | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq PCR1 primer R          | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq PCR Master Mix         | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq Library Prep Kit       | Not available.          |                |
|                        |                       | SureSelect Hyb 1                             | Not available.          |                |
|                        |                       | SureSelect Hyb 2                             | Not available.          |                |
|                        |                       | SureSelect Hyb 4                             | Not available.          |                |
|                        |                       | SureSelect Binding Buffer                    | Not available.          |                |
|                        |                       | SureSelect Wash Buffer 1                     | Not available.          |                |
|                        |                       | SureSelect Wash Buffer 2                     | Not available.          |                |
|                        |                       | SureSelect Elution Buffer                    | Not available.          |                |
|                        |                       | SureSelect Block 2                           | Not available.          |                |
|                        |                       | SureSelect Hyb 3                             | Not available.          |                |
|                        |                       | SureSelect RNase Block                       | Not available.          |                |
|                        |                       | SureSelect Indexing Block 1                  | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq Block 3                | Not available.          |                |
|                        | <b>Vapour density</b> | :  | 10X End Repair Buffer   | Not available. |
|                        |                       |  | 5X T4 DNA Ligase Buffer | Not available. |
|                        |                       |  | Klenow DNA Polymerase   | Not available. |
|                        |                       |  | T4 DNA Ligase           | Not available. |
|                        |                       |  | T4 DNA Polymerase       | Not available. |
|                        |                       | T4 Polynucleotide Kinase                     | Not available.          |                |
|                        |                       | dNTP Mix                                     | Not available.          |                |
|                        |                       | 10x Klenow Polymerase Buffer                 | Not available.          |                |
|                        |                       | Exo(-) Klenow                                | Not available.          |                |
|                        |                       | dATP   | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq Methylated Adapter     | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq Indexing Primer Common | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq PCR1 Primer F          | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq PCR1 primer R          | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq PCR Master Mix         | Not available.          |                |
|                        |                       | SureSelect Methyl-Seq Library Prep Kit       | Not available.          |                |
|                        |                       | SureSelect Hyb 1                             | Not available.          |                |
|                        |                       | SureSelect Hyb 2                             | Not available.          |                |
|                        |                       | SureSelect Hyb 4                             | Not available.          |                |
|                        |                       | SureSelect Binding Buffer                    | Not available.          |                |



## Section 9. Physical and chemical properties

|                         |  |  |
|-------------------------|--|--|
|                         | SureSelect Wash Buffer 1                     | Not available.   |
|                         | SureSelect Wash Buffer 2                     | Not available.   |
|                         | SureSelect Elution Buffer                    | Not available.   |
|                         | SureSelect Block 2                           | Not available.   |
|                         | SureSelect Hyb 3                             | Not available.   |
|                         | SureSelect RNase Block                       | Not available.   |
|                         | SureSelect Indexing Block 1                  | Not available.   |
|                         | SureSelect Methyl-Seq Block 3                | Not available.   |
| <b>Relative density</b> | : 10X End Repair Buffer                      | Not available.   |
|                         | 5X T4 DNA Ligase Buffer                      | Not available.   |
|                         | Klenow DNA Polymerase                        | Not available.   |
|                         | T4 DNA Ligase                                | Not available.   |
|                         | T4 DNA Polymerase                            | Not available.   |
|                         | T4 Polynucleotide Kinase                     | Not available.   |
|                         | dNTP Mix                                     | Not available.   |
|                         | 10x Klenow Polymerase Buffer                 | Not available.   |
|                         | Exo(-) Klenow dATP                           | Not available.   |
|                         | SureSelect Methyl-Seq Methylated Adapter     | Not available.   |
|                         | SureSelect Methyl-Seq Indexing Primer Common | Not available.   |
|                         | SureSelect Methyl-Seq PCR1 Primer F          | Not available.   |
|                         | SureSelect Methyl-Seq PCR1 primer R          | Not available.   |
|                         | SureSelect Methyl-Seq PCR Master Mix         | Not available.   |
|                         | SureSelect Methyl-Seq Library Prep Kit       | Not available.   |
|                         | SureSelect Hyb 1                             | Not available.   |
|                         | SureSelect Hyb 2                             | Not available.   |
|                         | SureSelect Hyb 4                             | Not available.   |
|                         | SureSelect Binding Buffer                    | Not available.   |
|                         | SureSelect Wash Buffer 1                     | Not available.   |
|                         | SureSelect Wash Buffer 2                     | Not available.   |
|                         | SureSelect Elution Buffer                    | Not available.   |
|                         | SureSelect Block 2                           | Not available.   |
|                         | SureSelect Hyb 3                             | Not available.   |
|                         | SureSelect RNase Block                       | Not available.   |
|                         | SureSelect Indexing Block 1                  | Not available.   |
|                         | SureSelect Methyl-Seq Block 3                | Not available.   |
| <b>Solubility</b>       | : 10X End Repair Buffer                      | Easily soluble in the following materials: cold water and hot water. |
|                         | 5X T4 DNA Ligase Buffer                      | Easily soluble in the following materials: cold water and hot water. |
|                         | Klenow DNA Polymerase                        | Soluble in the following materials: cold water and hot water.        |
|                         | T4 DNA Ligase                                | Soluble in the following materials: cold water and hot water.        |
|                         | T4 DNA Polymerase                            | Soluble in the following materials: cold water and hot water.        |
|                         | T4 Polynucleotide Kinase                     | Soluble in the following materials: cold water and hot water.        |
|                         | dNTP Mix                                     | Easily soluble in the following materials: cold water and hot water. |
|                         | 10x Klenow Polymerase Buffer                 | Easily soluble in the following materials: cold water and hot water. |
|                         | Exo(-) Klenow                                | Not available.   |

## Section 9. Physical and chemical properties

|   |  |  |
|---|--|--|
|   | dATP   | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Methyl-Seq Methylated Adapter     | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Methyl-Seq Indexing Primer Common | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Methyl-Seq PCR1 Primer F          | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Methyl-Seq PCR1 primer R          | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Methyl-Seq PCR Master Mix         | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Methyl-Seq Library Prep Kit       | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Hyb 1                             | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Hyb 2                             | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Hyb 4                             | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Binding Buffer                    | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Wash Buffer 1                     | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Wash Buffer 2                     | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Elution Buffer                    | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Block 2                           | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Hyb 3                             | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect RNase Block                       | Soluble in the following materials: cold water and hot water.        |
|   | SureSelect Indexing Block 1                  | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Methyl-Seq Block 3                | Easily soluble in the following materials: cold water and hot water. |
| <b>Partition coefficient: n-octanol/water</b> | 10X End Repair Buffer                        | Not available.   |
|   | 5X T4 DNA Ligase Buffer                      | Not available.   |
|   | Klenow DNA Polymerase                        | Not available.   |
|   | T4 DNA Ligase                                | Not available.   |
|   | T4 DNA Polymerase                            | Not available.   |
|   | T4 Polynucleotide Kinase                     | Not available.   |
|   | dNTP Mix                                     | Not available.   |
|   | 10x Klenow Polymerase Buffer                 | Not available.   |
|   | Exo(-) Klenow                                | Not available.   |
|   | dATP   | Not available.   |
|   | SureSelect Methyl-Seq Methylated Adapter     | Not available.   |
|   | SureSelect Methyl-Seq Indexing Primer Common | Not available.   |
|   | SureSelect Methyl-Seq PCR1 Primer F          | Not available.   |
|   | SureSelect Methyl-Seq PCR1 primer R          | Not available.   |
|   | SureSelect Methyl-Seq PCR Master Mix         | Not available.   |
|   | SureSelect Methyl-Seq Library Prep Kit       | Not available.   |
|   | SureSelect Hyb 1                             | Not available.   |
|   | SureSelect Hyb 2                             | Not available.   |

## Section 9. Physical and chemical properties

|                                  |  |                |
|----------------------------------|--|----------------|
|                                  | SureSelect Hyb 4                             | Not available. |
|                                  | SureSelect Binding Buffer                    | Not available. |
|                                  | SureSelect Wash Buffer 1                     | Not available. |
|                                  | SureSelect Wash Buffer 2                     | Not available. |
|                                  | SureSelect Elution Buffer                    | Not available. |
|                                  | SureSelect Block 2                           | Not available. |
|                                  | SureSelect Hyb 3                             | Not available. |
|                                  | SureSelect RNase Block                       | Not available. |
|                                  | SureSelect Indexing Block 1                  | Not available. |
|                                  | SureSelect Methyl-Seq Block 3                | Not available. |
| <b>Auto-ignition temperature</b> | <b>:</b> 10X End Repair Buffer               | Not available. |
|                                  | 5X T4 DNA Ligase Buffer                      | Not available. |
|                                  | Klenow DNA Polymerase                        | Not available. |
|                                  | T4 DNA Ligase                                | Not available. |
|                                  | T4 DNA Polymerase                            | Not available. |
|                                  | T4 Polynucleotide Kinase                     | Not available. |
|                                  | dNTP Mix                                     | Not available. |
|                                  | 10x Klenow Polymerase Buffer                 | Not available. |
|                                  | Exo(-) Klenow dATP                           | Not available. |
|                                  | SureSelect Methyl-Seq Methylated Adapter     | Not available. |
|                                  | SureSelect Methyl-Seq Indexing Primer Common | Not available. |
|                                  | SureSelect Methyl-Seq PCR1 Primer F          | Not available. |
|                                  | SureSelect Methyl-Seq PCR1 primer R          | Not available. |
|                                  | SureSelect Methyl-Seq PCR Master Mix         | Not available. |
|                                  | SureSelect Methyl-Seq Library Prep Kit       | Not available. |
|                                  | SureSelect Hyb 1                             | Not available. |
|                                  | SureSelect Hyb 2                             | Not available. |
|                                  | SureSelect Hyb 4                             | Not available. |
|                                  | SureSelect Binding Buffer                    | Not available. |
|                                  | SureSelect Wash Buffer 1                     | Not available. |
|                                  | SureSelect Wash Buffer 2                     | Not available. |
|                                  | SureSelect Elution Buffer                    | Not available. |
|                                  | SureSelect Block 2                           | Not available. |
|                                  | SureSelect Hyb 3                             | Not available. |
|                                  | SureSelect RNase Block                       | Not available. |
|                                  | SureSelect Indexing Block 1                  | Not available. |
|                                  | SureSelect Methyl-Seq Block 3                | Not available. |
| <b>Decomposition temperature</b> | <b>:</b> 10X End Repair Buffer               | Not available. |
|                                  | 5X T4 DNA Ligase Buffer                      | Not available. |
|                                  | Klenow DNA Polymerase                        | Not available. |
|                                  | T4 DNA Ligase                                | Not available. |
|                                  | T4 DNA Polymerase                            | Not available. |
|                                  | T4 Polynucleotide Kinase                     | Not available. |
|                                  | dNTP Mix                                     | Not available. |
|                                  | 10x Klenow Polymerase Buffer                 | Not available. |
|                                  | Exo(-) Klenow dATP                           | Not available. |
|                                  | SureSelect Methyl-Seq Methylated Adapter     | Not available. |
|                                  | SureSelect Methyl-Seq Indexing Primer Common | Not available. |

## Section 9. Physical and chemical properties

|                  |  |                |
|------------------|--|----------------|
|                  | SureSelect Methyl-Seq PCR1 Primer F          | Not available. |
|                  | SureSelect Methyl-Seq PCR1 primer R          | Not available. |
|                  | SureSelect Methyl-Seq PCR Master Mix         | Not available. |
|                  | SureSelect Methyl-Seq Library Prep Kit       | Not available. |
|                  | SureSelect Hyb 1                             | Not available. |
|                  | SureSelect Hyb 2                             | Not available. |
|                  | SureSelect Hyb 4                             | Not available. |
|                  | SureSelect Binding Buffer                    | Not available. |
|                  | SureSelect Wash Buffer 1                     | Not available. |
|                  | SureSelect Wash Buffer 2                     | Not available. |
|                  | SureSelect Elution Buffer                    | Not available. |
|                  | SureSelect Block 2                           | Not available. |
|                  | SureSelect Hyb 3                             | Not available. |
|                  | SureSelect RNase Block                       | Not available. |
|                  | SureSelect Indexing Block 1                  | Not available. |
|                  | SureSelect Methyl-Seq Block 3                | Not available. |
| <b>Viscosity</b> | 10X End Repair Buffer                        | Not available. |
|                  | 5X T4 DNA Ligase Buffer                      | Not available. |
|                  | Klenow DNA Polymerase                        | Not available. |
|                  | T4 DNA Ligase                                | Not available. |
|                  | T4 DNA Polymerase                            | Not available. |
|                  | T4 Polynucleotide Kinase                     | Not available. |
|                  | dNTP Mix                                     | Not available. |
|                  | 10x Klenow Polymerase Buffer                 | Not available. |
|                  | Exo(-) Klenow                                | Not available. |
|                  | dATP   | Not available. |
|                  | SureSelect Methyl-Seq Methylated Adapter     | Not available. |
|                  | SureSelect Methyl-Seq Indexing Primer Common | Not available. |
|                  | SureSelect Methyl-Seq PCR1 Primer F          | Not available. |
|                  | SureSelect Methyl-Seq PCR1 primer R          | Not available. |
|                  | SureSelect Methyl-Seq PCR Master Mix         | Not available. |
|                  | SureSelect Methyl-Seq Library Prep Kit       | Not available. |
|                  | SureSelect Hyb 1                             | Not available. |
|                  | SureSelect Hyb 2                             | Not available. |
|                  | SureSelect Hyb 4                             | Not available. |
|                  | SureSelect Binding Buffer                    | Not available. |
|                  | SureSelect Wash Buffer 1                     | Not available. |
|                  | SureSelect Wash Buffer 2                     | Not available. |
|                  | SureSelect Elution Buffer                    | Not available. |
|                  | SureSelect Block 2                           | Not available. |
|                  | SureSelect Hyb 3                             | Not available. |
|                  | SureSelect RNase Block                       | Not available. |
|                  | SureSelect Indexing Block 1                  | Not available. |
|                  | SureSelect Methyl-Seq Block 3                | Not available. |

## Section 10. Stability and reactivity

|                   |  |  |
|-------------------|--|--|
| <b>Reactivity</b> | : 10X End Repair Buffer                      | No specific test data related to reactivity available for this product or its ingredients. |
|                   | 5X T4 DNA Ligase Buffer                      | No specific test data related to reactivity available for this product or its ingredients. |
|                   | Klenow DNA Polymerase                        | No specific test data related to reactivity available for this product or its ingredients. |
|                   | T4 DNA Ligase                                | No specific test data related to reactivity available for this product or its ingredients. |
|                   | T4 DNA Polymerase                            | No specific test data related to reactivity available for this product or its ingredients. |
|                   | T4 Polynucleotide Kinase                     | No specific test data related to reactivity available for this product or its ingredients. |
|                   | dNTP Mix                                     | No specific test data related to reactivity available for this product or its ingredients. |
|                   | 10x Klenow Polymerase Buffer                 | No specific test data related to reactivity available for this product or its ingredients. |
|                   | Exo(-) Klenow                                | No specific test data related to reactivity available for this product or its ingredients. |
|                   | dATP   | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Methyl-Seq Methylated Adapter     | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Methyl-Seq Indexing Primer Common | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Methyl-Seq PCR1 Primer F          | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Methyl-Seq PCR1 primer R          | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Methyl-Seq PCR Master Mix         | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Methyl-Seq Library Prep Kit       | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Hyb 1                             | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Hyb 2                             | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Hyb 4                             | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Binding Buffer                    | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Wash Buffer 1                     | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Wash Buffer 2                     | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Elution Buffer                    | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Block 2                           | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Hyb 3                             | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect RNase Block                       | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Indexing Block 1                  | No specific test data related to reactivity available for this product or its ingredients. |
|                   | SureSelect Methyl-Seq Block 3                | No specific test data related to reactivity available for this product or its ingredients. |

## Section 10. Stability and reactivity

### Chemical stability

|  |                        |
|--|------------------------|
| : 10X End Repair Buffer                      | The product is stable. |
| 5X T4 DNA Ligase Buffer                      | The product is stable. |
| Klenow DNA Polymerase                        | The product is stable. |
| T4 DNA Ligase                                | The product is stable. |
| T4 DNA Polymerase                            | The product is stable. |
| T4 Polynucleotide Kinase                     | The product is stable. |
| dNTP Mix                                     | The product is stable. |
| 10x Klenow Polymerase Buffer                 | The product is stable. |
| Exo(-) Klenow                                | The product is stable. |
| dATP   | The product is stable. |
| SureSelect Methyl-Seq Methylated Adapter     | The product is stable. |
| SureSelect Methyl-Seq Indexing Primer Common | The product is stable. |
| SureSelect Methyl-Seq PCR1 Primer F          | The product is stable. |
| SureSelect Methyl-Seq PCR1 primer R          | The product is stable. |
| SureSelect Methyl-Seq PCR Master Mix         | The product is stable. |
| SureSelect Methyl-Seq Library Prep Kit       | The product is stable. |
| SureSelect Hyb 1                             | The product is stable. |
| SureSelect Hyb 2                             | The product is stable. |
| SureSelect Hyb 4                             | The product is stable. |
| SureSelect Binding Buffer                    | The product is stable. |
| SureSelect Wash Buffer 1                     | The product is stable. |
| SureSelect Wash Buffer 2                     | The product is stable. |
| SureSelect Elution Buffer                    | The product is stable. |
| SureSelect Block 2                           | The product is stable. |
| SureSelect Hyb 3                             | The product is stable. |
| SureSelect RNase Block                       | The product is stable. |
| SureSelect Indexing Block 1                  | The product is stable. |
| SureSelect Methyl-Seq Block 3                | The product is stable. |

### Possibility of hazardous reactions

|  |   |
|--|---|
| : 10X End Repair Buffer                      | Under normal conditions of storage and use, hazardous reactions will not occur. |
| 5X T4 DNA Ligase Buffer                      | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Klenow DNA Polymerase                        | Under normal conditions of storage and use, hazardous reactions will not occur. |
| T4 DNA Ligase                                | Under normal conditions of storage and use, hazardous reactions will not occur. |
| T4 DNA Polymerase                            | Under normal conditions of storage and use, hazardous reactions will not occur. |
| T4 Polynucleotide Kinase                     | Under normal conditions of storage and use, hazardous reactions will not occur. |
| dNTP Mix                                     | Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10x Klenow Polymerase Buffer                 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Exo(-) Klenow                                | Under normal conditions of storage and use, hazardous reactions will not occur. |
| dATP   | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Methyl-Seq Methylated Adapter     | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Methyl-Seq Indexing Primer Common | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Methyl-Seq PCR1 Primer F          | Under normal conditions of storage and use, hazardous reactions will not occur. |



## Section 10. Stability and reactivity

|  |   |
|--|---|
| SureSelect Methyl-Seq PCR1 primer R    | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Methyl-Seq PCR Master Mix   | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Methyl-Seq Library Prep Kit | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb 1                       | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb 2                       | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb 4                       | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Binding Buffer              | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Wash Buffer 1               | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Wash Buffer 2               | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Elution Buffer              | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Block 2                     | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Hyb 3                       | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect RNase Block                 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Indexing Block 1            | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SureSelect Methyl-Seq Block 3          | Under normal conditions of storage and use, hazardous reactions will not occur. |

### Conditions to avoid

|  |                   |
|--|-------------------|
| 10X End Repair Buffer                        | No specific data. |
| 5X T4 DNA Ligase Buffer                      | No specific data. |
| Klenow DNA Polymerase                        | No specific data. |
| T4 DNA Ligase                                | No specific data. |
| T4 DNA Polymerase                            | No specific data. |
| T4 Polynucleotide Kinase                     | No specific data. |
| dNTP Mix                                     | No specific data. |
| 10x Klenow Polymerase Buffer                 | No specific data. |
| Exo(-) Klenow                                | No specific data. |
| dATP   | No specific data. |
| SureSelect Methyl-Seq Methylated Adapter     | No specific data. |
| SureSelect Methyl-Seq Indexing Primer Common | No specific data. |
| SureSelect Methyl-Seq PCR1 Primer F          | No specific data. |
| SureSelect Methyl-Seq PCR1 primer R          | No specific data. |
| SureSelect Methyl-Seq PCR Master Mix         | No specific data. |
| SureSelect Methyl-Seq Library Prep Kit       | No specific data. |
| SureSelect Hyb 1                             | No specific data. |
| SureSelect Hyb 2                             | No specific data. |
| SureSelect Hyb 4                             | No specific data. |
| SureSelect Binding Buffer                    | No specific data. |
| SureSelect Wash Buffer 1                     | No specific data. |
| SureSelect Wash Buffer 2                     | No specific data. |
| SureSelect Elution Buffer                    | No specific data. |
| SureSelect Block 2                           | No specific data. |
| SureSelect Hyb 3                             | No specific data. |

## Section 10. Stability and reactivity

|                               |                   |
|-------------------------------|-------------------|
| SureSelect RNase Block        | No specific data. |
| SureSelect Indexing Block 1   | No specific data. |
| SureSelect Methyl-Seq Block 3 | No specific data. |

### Incompatible materials

|  |   |
|--|---|
| 10X End Repair Buffer                        | May react or be incompatible with oxidising materials.                    |
| 5X T4 DNA Ligase Buffer                      | May react or be incompatible with oxidising materials.                    |
| Klenow DNA Polymerase                        | May react or be incompatible with oxidising materials.                    |
| T4 DNA Ligase                                | May react or be incompatible with oxidising materials.                    |
| T4 DNA Polymerase                            | May react or be incompatible with oxidising materials.                    |
| T4 Polynucleotide Kinase                     | May react or be incompatible with oxidising materials.                    |
| dNTP Mix                                     | May react or be incompatible with oxidising materials.                    |
| 10x Klenow Polymerase Buffer                 | May react or be incompatible with oxidising materials.                    |
| Exo(-) Klenow                                | May react or be incompatible with oxidising materials.                    |
| dATP   | May react or be incompatible with oxidising materials.                    |
| SureSelect Methyl-Seq Methylated Adapter     | May react or be incompatible with oxidising materials.                    |
| SureSelect Methyl-Seq Indexing Primer Common | May react or be incompatible with oxidising materials.                    |
| SureSelect Methyl-Seq PCR1 Primer F          | May react or be incompatible with oxidising materials.                    |
| SureSelect Methyl-Seq PCR1 primer R          | May react or be incompatible with oxidising materials.                    |
| SureSelect Methyl-Seq PCR Master Mix         | May react or be incompatible with oxidising materials.                    |
| SureSelect Methyl-Seq Library Prep Kit       | May react or be incompatible with oxidising materials.                    |
| SureSelect Hyb 1                             | May react or be incompatible with oxidising materials.                    |
| SureSelect Hyb 2                             | May react or be incompatible with oxidising materials.                    |
| SureSelect Hyb 4                             | May react or be incompatible with oxidising materials.                    |
| SureSelect Binding Buffer                    | May react or be incompatible with oxidising materials.                    |
| SureSelect Wash Buffer 1                     | May react or be incompatible with oxidising materials.                    |
| SureSelect Wash Buffer 2                     | May react or be incompatible with oxidising materials.                    |
| SureSelect Elution Buffer                    | Reactive or incompatible with the following materials:<br>acids<br>metals |
| SureSelect Block 2                           | May react or be incompatible with oxidising materials.                    |
| SureSelect Hyb 3                             | May react or be incompatible with oxidising materials.                    |
| SureSelect RNase Block                       | May react or be incompatible with oxidising materials.                    |
| SureSelect Indexing Block 1                  | May react or be incompatible with oxidising materials.                    |
| SureSelect Methyl-Seq Block 3                | May react or be incompatible with oxidising materials.                    |

### Hazardous decomposition products

|                          |  |
|--------------------------|--|
| 10X End Repair Buffer    | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| 5X T4 DNA Ligase Buffer  | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Klenow DNA Polymerase    | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| T4 DNA Ligase            | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| T4 DNA Polymerase        | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| T4 Polynucleotide Kinase | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| dNTP Mix                 | Under normal conditions of storage and use,  |

## Section 10. Stability and reactivity

|  |  |
|--|--|
|  | hazardous decomposition products should not be produced.   |
| 10x Klenow Polymerase Buffer                 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Exo(-) Klenow                                | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| dATP   | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Methyl-Seq Methylated Adapter     | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Methyl-Seq Indexing Primer Common | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Methyl-Seq PCR1 Primer F          | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Methyl-Seq PCR1 primer R          | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Methyl-Seq PCR Master Mix         | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Methyl-Seq Library Prep Kit       | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb 1                             | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb 2                             | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb 4                             | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Binding Buffer                    | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Wash Buffer 1                     | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Wash Buffer 2                     | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Elution Buffer                    | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Block 2                           | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Hyb 3                             | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect RNase Block                       | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Indexing Block 1                  | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Methyl-Seq                        | Under normal conditions of storage and use,  |

**Section 10. Stability and reactivity**

Block 3

hazardous decomposition products should not be produced.

**Section 11. Toxicological information****Information on toxicological effects****Acute toxicity**

| Product/ingredient name                                 | Result    | Species | Dose        | Exposure |
|---|-----------|---------|-------------|----------|
| <b>Klenow DNA Polymerase</b><br>Glycerol                | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>T4 DNA Ligase</b><br>Glycerol                        | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>T4 DNA Polymerase</b><br>Glycerol                    | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>T4 Polynucleotide Kinase</b><br>Glycerol             | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>Exo(-) Klenow</b><br>Glycerol                        | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>SureSelect Methyl-Seq PCR Master Mix</b><br>Glycerol | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>SureSelect Hyb 1</b><br>Sodium chloride              | LD50 Oral | Rat     | 3000 mg/kg  | -        |
| <b>SureSelect RNase Block</b><br>Glycerol               | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>SureSelect Indexing Block 1</b><br>Glycerol          | LD50 Oral | Rat     | 12600 mg/kg | -        |

**Irritation/Corrosion**

| Product/ingredient name                               | Result               | Species | Score | Exposure                | Observation |
|---|----------------------|---------|-------|-------------------------|-------------|
| <b>5X T4 DNA Ligase Buffer</b><br>Polyethylene glycol | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|   | Eyes - Mild irritant | Rabbit  | -     | 500 milligrams          | -           |
|   | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|   | Skin - Mild irritant | Rabbit  | -     | 500 milligrams          | -           |
| <b>Klenow DNA Polymerase</b><br>Glycerol              | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|   | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
| <b>T4 DNA Ligase</b><br>Glycerol                      | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|   | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |

## Section 11. Toxicological information

|   |                          |        |   |                         |   |
|---|--------------------------|--------|---|-------------------------|---|
| <b>T4 DNA Polymerase</b><br>Glycerol                    | Eyes - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
|   | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
| <b>T4 Polynucleotide Kinase</b><br>Glycerol             | Eyes - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
|   | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
| <b>Exo(-) Klenow</b><br>Glycerol                        | Eyes - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
|   | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
| <b>SureSelect Methyl-Seq PCR Master Mix</b><br>Glycerol | Eyes - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
|   | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
| <b>SureSelect Hyb 1</b><br>Sodium chloride              | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 milligrams | - |
|   | Eyes - Moderate irritant | Rabbit | - | 10 milligrams           | - |
|   | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
| <b>SureSelect RNase Block</b><br>Glycerol               | Eyes - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
|   | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
| <b>SureSelect Indexing Block 1</b><br>Glycerol          | Eyes - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |
|   | Skin - Mild irritant     | Rabbit | - | 24 hours 500 milligrams | - |

### Sensitisation

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

## Section 11. Toxicological information

| Name  | Category   | Route of exposure | Target organs                |
|---|------------|-------------------|------------------------------|
| <b>5X T4 DNA Ligase Buffer</b><br>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | Category 3 | Not applicable.   | Respiratory tract irritation |

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

|  |  |
|--|--|
| 10X End Repair Buffer                        | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| 5X T4 DNA Ligase Buffer                      | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| Klenow DNA Polymerase                        | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| T4 DNA Ligase                                | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| T4 DNA Polymerase                            | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| T4 Polynucleotide Kinase                     | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| dNTP Mix                                     | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| 10x Klenow Polymerase Buffer                 | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| Exo(-) Klenow dATP                           | Routes of entry anticipated: Oral, Dermal, Inhalation.<br>Not available. |
| SureSelect Methyl-Seq Methylated Adapter     | Not available.   |
| SureSelect Methyl-Seq Indexing Primer Common | Not available.   |
| SureSelect Methyl-Seq PCR1 Primer F          | Not available.   |
| SureSelect Methyl-Seq PCR1 primer R          | Not available.   |
| SureSelect Methyl-Seq PCR Master Mix         | Not available.   |
| SureSelect Methyl-Seq Library Prep Kit       | Not available.   |
| SureSelect Hyb 1                             | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| SureSelect Hyb 2                             | Not available.   |
| SureSelect Hyb 4                             | Not available.   |
| SureSelect Binding Buffer                    | Not available.   |
| SureSelect Wash Buffer 1                     | Not available.   |
| SureSelect Wash Buffer 2                     | Not available.   |
| SureSelect Elution Buffer                    | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| SureSelect Block 2                           | Not available.   |
| SureSelect Hyb 3                             | Not available.   |
| SureSelect RNase Block                       | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| SureSelect Indexing Block 1                  | Routes of entry anticipated: Oral, Dermal, Inhalation.                   |
| SureSelect Methyl-Seq Block 3                | Not available.   |

### Potential acute health effects

#### Eye contact

|                              |   |
|------------------------------|---|
| 10X End Repair Buffer        | No known significant effects or critical hazards. |
| 5X T4 DNA Ligase Buffer      | Causes serious eye irritation.                    |
| Klenow DNA Polymerase        | No known significant effects or critical hazards. |
| T4 DNA Ligase                | No known significant effects or critical hazards. |
| T4 DNA Polymerase            | No known significant effects or critical hazards. |
| T4 Polynucleotide Kinase     | No known significant effects or critical hazards. |
| dNTP Mix                     | No known significant effects or critical hazards. |
| 10x Klenow Polymerase Buffer | No known significant effects or critical hazards. |
| Exo(-) Klenow dATP           | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq        | No known significant effects or critical hazards. |



## Section 11. Toxicological information

|                   |  |   |
|-------------------|--|---|
|                   | Methylated Adapter                           |   |
|                   | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                   | SureSelect Hyb 1                             | Causes serious eye irritation.                    |
|                   | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                   | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                   | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                   | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                   | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                   | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                   | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                   | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                   | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                   | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |
| <b>Inhalation</b> | <b>:</b> 10X End Repair Buffer               | No known significant effects or critical hazards. |
|                   | 5X T4 DNA Ligase Buffer                      | No known significant effects or critical hazards. |
|                   | Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
|                   | T4 DNA Ligase                                | No known significant effects or critical hazards. |
|                   | T4 DNA Polymerase                            | No known significant effects or critical hazards. |
|                   | T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
|                   | dNTP Mix                                     | No known significant effects or critical hazards. |
|                   | 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
|                   | Exo(-) Klenow                                | No known significant effects or critical hazards. |
|                   | dATP   | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                   | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                   | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                   | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                   | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                   | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                   | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                   | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                   | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                   | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                   | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                   | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                   | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |

## Section 11. Toxicological information

|                               |   |  |   |
|-------------------------------|---|--|---|
| <b>Skin contact</b>           | :   | 10X End Repair Buffer                        | No known significant effects or critical hazards. |
|                               |   | 5X T4 DNA Ligase Buffer                      | No known significant effects or critical hazards. |
|                               |   | Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
|                               |   | T4 DNA Ligase                                | No known significant effects or critical hazards. |
|                               |   | T4 DNA Polymerase                            | No known significant effects or critical hazards. |
|                               |   | T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
|                               |   | dNTP Mix                                     | No known significant effects or critical hazards. |
|                               |   | 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
|                               |   | Exo(-) Klenow                                | No known significant effects or critical hazards. |
|                               |   | dATP   | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                               |   | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                               |   | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                               |   | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                               |   | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                               |   | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                               |   | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                               |   | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                               |   | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                               |   | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                               |   | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                               |   | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Block 3 | No known significant effects or critical hazards. |  |   |
| <b>Ingestion</b>              | :   | 10X End Repair Buffer                        | No known significant effects or critical hazards. |
|                               |   | 5X T4 DNA Ligase Buffer                      | No known significant effects or critical hazards. |
|                               |   | Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
|                               |   | T4 DNA Ligase                                | No known significant effects or critical hazards. |
|                               |   | T4 DNA Polymerase                            | No known significant effects or critical hazards. |
|                               |   | T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
|                               |   | dNTP Mix                                     | No known significant effects or critical hazards. |
|                               |   | 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
|                               |   | Exo(-) Klenow                                | No known significant effects or critical hazards. |
|                               |   | dATP   | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                               |   | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                               |   | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                               |   | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                               |   | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                               |   | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |

## Section 11. Toxicological information

|                               |   |
|-------------------------------|---|
| SureSelect Wash Buffer 1      | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 2      | No known significant effects or critical hazards. |
| SureSelect Elution Buffer     | No known significant effects or critical hazards. |
| SureSelect Block 2            | No known significant effects or critical hazards. |
| SureSelect Hyb 3              | No known significant effects or critical hazards. |
| SureSelect RNase Block        | No known significant effects or critical hazards. |
| SureSelect Indexing Block 1   | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Block 3 | No known significant effects or critical hazards. |

### Symptoms related to the physical, chemical and toxicological characteristics

#### Eye contact

|  |  |
|--|--|
| 10X End Repair Buffer                        | No specific data.  |
| 5X T4 DNA Ligase Buffer                      | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
| Klenow DNA Polymerase                        | No specific data.  |
| T4 DNA Ligase                                | No specific data.  |
| T4 DNA Polymerase                            | No specific data.  |
| T4 Polynucleotide Kinase                     | No specific data.  |
| dNTP Mix                                     | No specific data.  |
| 10x Klenow Polymerase Buffer                 | No specific data.  |
| Exo(-) Klenow                                | No specific data.  |
| dATP   | No specific data.  |
| SureSelect Methyl-Seq Methylated Adapter     | No specific data.  |
| SureSelect Methyl-Seq Indexing Primer Common | No specific data.  |
| SureSelect Methyl-Seq PCR1 Primer F          | No specific data.  |
| SureSelect Methyl-Seq PCR1 primer R          | No specific data.  |
| SureSelect Methyl-Seq PCR Master Mix         | No specific data.  |
| SureSelect Methyl-Seq Library Prep Kit       | No specific data.  |
| SureSelect Hyb 1                             | Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |
| SureSelect Hyb 2                             | No specific data.  |
| SureSelect Hyb 4                             | No specific data.  |
| SureSelect Binding Buffer                    | No specific data.  |
| SureSelect Wash Buffer 1                     | No specific data.  |
| SureSelect Wash Buffer 2                     | No specific data.  |
| SureSelect Elution Buffer                    | No specific data.  |
| SureSelect Block 2                           | No specific data.  |
| SureSelect Hyb 3                             | No specific data.  |
| SureSelect RNase Block                       | No specific data.  |
| SureSelect Indexing Block 1                  | No specific data.  |
| SureSelect Methyl-Seq Block 3                | No specific data.  |
| 10X End Repair Buffer                        | No specific data.  |
| 5X T4 DNA Ligase Buffer                      | No specific data.  |
| Klenow DNA Polymerase                        | No specific data.  |
| T4 DNA Ligase                                | No specific data.  |
| T4 DNA Polymerase                            | No specific data.  |
| T4 Polynucleotide Kinase                     | No specific data.  |
| dNTP Mix                                     | No specific data.  |
| 10x Klenow Polymerase Buffer                 | No specific data.  |
| Exo(-) Klenow                                | No specific data.  |

#### Inhalation

## Section 11. Toxicological information

|                     |  |                   |
|---------------------|--|-------------------|
|                     | dATP   | No specific data. |
|                     | SureSelect Methyl-Seq Methylated Adapter     | No specific data. |
|                     | SureSelect Methyl-Seq Indexing Primer Common | No specific data. |
|                     | SureSelect Methyl-Seq PCR1 Primer F          | No specific data. |
|                     | SureSelect Methyl-Seq PCR1 primer R          | No specific data. |
|                     | SureSelect Methyl-Seq PCR Master Mix         | No specific data. |
|                     | SureSelect Methyl-Seq Library Prep Kit       | No specific data. |
|                     | SureSelect Hyb 1                             | No specific data. |
|                     | SureSelect Hyb 2                             | No specific data. |
|                     | SureSelect Hyb 4                             | No specific data. |
|                     | SureSelect Binding Buffer                    | No specific data. |
|                     | SureSelect Wash Buffer 1                     | No specific data. |
|                     | SureSelect Wash Buffer 2                     | No specific data. |
|                     | SureSelect Elution Buffer                    | No specific data. |
|                     | SureSelect Block 2                           | No specific data. |
|                     | SureSelect Hyb 3                             | No specific data. |
|                     | SureSelect RNase Block                       | No specific data. |
|                     | SureSelect Indexing Block 1                  | No specific data. |
|                     | SureSelect Methyl-Seq Block 3                | No specific data. |
| <b>Skin contact</b> | : 10X End Repair Buffer                      | No specific data. |
|                     | 5X T4 DNA Ligase Buffer                      | No specific data. |
|                     | Klenow DNA Polymerase                        | No specific data. |
|                     | T4 DNA Ligase                                | No specific data. |
|                     | T4 DNA Polymerase                            | No specific data. |
|                     | T4 Polynucleotide Kinase                     | No specific data. |
|                     | dNTP Mix                                     | No specific data. |
|                     | 10x Klenow Polymerase Buffer                 | No specific data. |
|                     | Exo(-) Klenow                                | No specific data. |
|                     | dATP   | No specific data. |
|                     | SureSelect Methyl-Seq Methylated Adapter     | No specific data. |
|                     | SureSelect Methyl-Seq Indexing Primer Common | No specific data. |
|                     | SureSelect Methyl-Seq PCR1 Primer F          | No specific data. |
|                     | SureSelect Methyl-Seq PCR1 primer R          | No specific data. |
|                     | SureSelect Methyl-Seq PCR Master Mix         | No specific data. |
|                     | SureSelect Methyl-Seq Library Prep Kit       | No specific data. |
|                     | SureSelect Hyb 1                             | No specific data. |
|                     | SureSelect Hyb 2                             | No specific data. |
|                     | SureSelect Hyb 4                             | No specific data. |
|                     | SureSelect Binding Buffer                    | No specific data. |
|                     | SureSelect Wash Buffer 1                     | No specific data. |
|                     | SureSelect Wash Buffer 2                     | No specific data. |
|                     | SureSelect Elution Buffer                    | No specific data. |
|                     | SureSelect Block 2                           | No specific data. |
|                     | SureSelect Hyb 3                             | No specific data. |
|                     | SureSelect RNase Block                       | No specific data. |
|                     | SureSelect Indexing Block 1                  | No specific data. |
|                     | SureSelect Methyl-Seq Block 3                | No specific data. |



## Section 11. Toxicological information

|                        |  |   |
|------------------------|--|---|
|                        | Methylated Adapter                           | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                        | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                        | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                        | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                        | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                        | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                        | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                        | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |
| <b>Carcinogenicity</b> | : 10X End Repair Buffer                      | No known significant effects or critical hazards. |
|                        | 5X T4 DNA Ligase Buffer                      | No known significant effects or critical hazards. |
|                        | Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
|                        | T4 DNA Ligase                                | No known significant effects or critical hazards. |
|                        | T4 DNA Polymerase                            | No known significant effects or critical hazards. |
|                        | T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
|                        | dNTP Mix                                     | No known significant effects or critical hazards. |
|                        | 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
|                        | Exo(-) Klenow                                | No known significant effects or critical hazards. |
|                        | dATP   | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                        | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                        | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                        | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                        | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                        | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                        | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                        | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                        | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                        | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |



## Section 11. Toxicological information

|                               |   |   |
|-------------------------------|---|---|
| <b>Mutagenicity</b>           | : 10X End Repair Buffer                           | No known significant effects or critical hazards. |
|                               | 5X T4 DNA Ligase Buffer                           | No known significant effects or critical hazards. |
|                               | Klenow DNA Polymerase                             | No known significant effects or critical hazards. |
|                               | T4 DNA Ligase                                     | No known significant effects or critical hazards. |
|                               | T4 DNA Polymerase                                 | No known significant effects or critical hazards. |
|                               | T4 Polynucleotide Kinase                          | No known significant effects or critical hazards. |
|                               | dNTP Mix  | No known significant effects or critical hazards. |
|                               | 10x Klenow Polymerase Buffer                      | No known significant effects or critical hazards. |
|                               | Exo(-) Klenow                                     | No known significant effects or critical hazards. |
|                               | dATP  | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq Methylated Adapter          | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq Indexing Primer Common      | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq PCR1 Primer F               | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq PCR1 primer R               | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq PCR Master Mix              | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq Library Prep Kit            | No known significant effects or critical hazards. |
|                               | SureSelect Hyb 1                                  | No known significant effects or critical hazards. |
|                               | SureSelect Hyb 2                                  | No known significant effects or critical hazards. |
|                               | SureSelect Hyb 4                                  | No known significant effects or critical hazards. |
|                               | SureSelect Binding Buffer                         | No known significant effects or critical hazards. |
|                               | SureSelect Wash Buffer 1                          | No known significant effects or critical hazards. |
|                               | SureSelect Wash Buffer 2                          | No known significant effects or critical hazards. |
|                               | SureSelect Elution Buffer                         | No known significant effects or critical hazards. |
|                               | SureSelect Block 2                                | No known significant effects or critical hazards. |
|                               | SureSelect Hyb 3                                  | No known significant effects or critical hazards. |
|                               | SureSelect RNase Block                            | No known significant effects or critical hazards. |
|                               | SureSelect Indexing Block 1                       | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Block 3 | No known significant effects or critical hazards. |   |
| <b>Teratogenicity</b>         | : 10X End Repair Buffer                           | No known significant effects or critical hazards. |
|                               | 5X T4 DNA Ligase Buffer                           | No known significant effects or critical hazards. |
|                               | Klenow DNA Polymerase                             | No known significant effects or critical hazards. |
|                               | T4 DNA Ligase                                     | No known significant effects or critical hazards. |
|                               | T4 DNA Polymerase                                 | No known significant effects or critical hazards. |
|                               | T4 Polynucleotide Kinase                          | No known significant effects or critical hazards. |
|                               | dNTP Mix  | No known significant effects or critical hazards. |
|                               | 10x Klenow Polymerase Buffer                      | No known significant effects or critical hazards. |
|                               | Exo(-) Klenow                                     | No known significant effects or critical hazards. |
|                               | dATP  | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq Methylated Adapter          | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq Indexing Primer Common      | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq PCR1 Primer F               | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq PCR1 primer R               | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq PCR Master Mix              | No known significant effects or critical hazards. |
|                               | SureSelect Methyl-Seq Library Prep Kit            | No known significant effects or critical hazards. |
|                               | SureSelect Hyb 1                                  | No known significant effects or critical hazards. |
|                               | SureSelect Hyb 2                                  | No known significant effects or critical hazards. |
|                               | SureSelect Hyb 4                                  | No known significant effects or critical hazards. |
|                               | SureSelect Binding Buffer                         | No known significant effects or critical hazards. |

## Section 11. Toxicological information

|                              |  |   |
|------------------------------|--|---|
|                              | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                              | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                              | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                              | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                              | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                              | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                              | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : 10X End Repair Buffer                      | No known significant effects or critical hazards. |
|                              | 5X T4 DNA Ligase Buffer                      | No known significant effects or critical hazards. |
|                              | Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
|                              | T4 DNA Ligase                                | No known significant effects or critical hazards. |
|                              | T4 DNA Polymerase                            | No known significant effects or critical hazards. |
|                              | T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
|                              | dNTP Mix                                     | No known significant effects or critical hazards. |
|                              | 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
|                              | Exo(-) Klenow                                | No known significant effects or critical hazards. |
|                              | dATP   | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq PCR1 primer R          | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq PCR Master Mix         | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq Library Prep Kit       | No known significant effects or critical hazards. |
|                              | SureSelect Hyb 1                             | No known significant effects or critical hazards. |
|                              | SureSelect Hyb 2                             | No known significant effects or critical hazards. |
|                              | SureSelect Hyb 4                             | No known significant effects or critical hazards. |
|                              | SureSelect Binding Buffer                    | No known significant effects or critical hazards. |
|                              | SureSelect Wash Buffer 1                     | No known significant effects or critical hazards. |
|                              | SureSelect Wash Buffer 2                     | No known significant effects or critical hazards. |
|                              | SureSelect Elution Buffer                    | No known significant effects or critical hazards. |
|                              | SureSelect Block 2                           | No known significant effects or critical hazards. |
|                              | SureSelect Hyb 3                             | No known significant effects or critical hazards. |
|                              | SureSelect RNase Block                       | No known significant effects or critical hazards. |
|                              | SureSelect Indexing Block 1                  | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq Block 3                | No known significant effects or critical hazards. |
| <b>Fertility effects</b>     | : 10X End Repair Buffer                      | No known significant effects or critical hazards. |
|                              | 5X T4 DNA Ligase Buffer                      | No known significant effects or critical hazards. |
|                              | Klenow DNA Polymerase                        | No known significant effects or critical hazards. |
|                              | T4 DNA Ligase                                | No known significant effects or critical hazards. |
|                              | T4 DNA Polymerase                            | No known significant effects or critical hazards. |
|                              | T4 Polynucleotide Kinase                     | No known significant effects or critical hazards. |
|                              | dNTP Mix                                     | No known significant effects or critical hazards. |
|                              | 10x Klenow Polymerase Buffer                 | No known significant effects or critical hazards. |
|                              | Exo(-) Klenow                                | No known significant effects or critical hazards. |
|                              | dATP   | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq Methylated Adapter     | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq Indexing Primer Common | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq PCR1 Primer F          | No known significant effects or critical hazards. |
|                              | SureSelect Methyl-Seq                        | No known significant effects or critical hazards. |

## Section 11. Toxicological information

|  |   |
|--|---|
| PCR1 primer R                          |   |
| SureSelect Methyl-Seq PCR Master Mix   | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Library Prep Kit | No known significant effects or critical hazards. |
| SureSelect Hyb 1                       | No known significant effects or critical hazards. |
| SureSelect Hyb 2                       | No known significant effects or critical hazards. |
| SureSelect Hyb 4                       | No known significant effects or critical hazards. |
| SureSelect Binding Buffer              | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 1               | No known significant effects or critical hazards. |
| SureSelect Wash Buffer 2               | No known significant effects or critical hazards. |
| SureSelect Elution Buffer              | No known significant effects or critical hazards. |
| SureSelect Block 2                     | No known significant effects or critical hazards. |
| SureSelect Hyb 3                       | No known significant effects or critical hazards. |
| SureSelect RNase Block                 | No known significant effects or critical hazards. |
| SureSelect Indexing Block 1            | No known significant effects or critical hazards. |
| SureSelect Methyl-Seq Block 3          | No known significant effects or critical hazards. |

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route                                | ATE value     |
|--------------------------------------|---------------|
| <b>10X End Repair Buffer</b><br>Oral | 32467.5 mg/kg |
| <b>SureSelect Hyb 2</b><br>Oral      | 13698.6 mg/kg |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                                 | Result   | Species   | Exposure             |
|---|--|---|----------------------|
| <b>5X T4 DNA Ligase Buffer</b><br>Polyethylene glycol   | Acute LC50 >1000000 µg/l Fresh water   | Fish - Salmo salar - Parr   | 96 hours             |
| <b>Klenow DNA Polymerase</b><br>Glycerol                | Acute LC50 54000 mg/l Fresh water  | Fish - Oncorhynchus mykiss  | 96 hours             |
| <b>T4 DNA Ligase</b><br>Glycerol                        | Acute LC50 54000 mg/l Fresh water  | Fish - Oncorhynchus mykiss  | 96 hours             |
| <b>T4 DNA Polymerase</b><br>Glycerol                    | Acute LC50 54000 mg/l Fresh water  | Fish - Oncorhynchus mykiss  | 96 hours             |
| <b>T4 Polynucleotide Kinase</b><br>Glycerol             | Acute LC50 54000 mg/l Fresh water  | Fish - Oncorhynchus mykiss  | 96 hours             |
| <b>Exo(-) Klenow</b><br>Glycerol                        | Acute LC50 54000 mg/l Fresh water  | Fish - Oncorhynchus mykiss  | 96 hours             |
| <b>SureSelect Methyl-Seq PCR Master Mix</b><br>Glycerol | Acute LC50 54000 mg/l Fresh water  | Fish - Oncorhynchus mykiss  | 96 hours             |
| <b>SureSelect Hyb 1</b><br>Sodium chloride              | Acute EC50 2430000 µg/l Fresh water<br>Acute EC50 28.85 mg/dm <sup>3</sup> Fresh water | Algae - Navicula seminulum<br>Algae - Pseudokirchneriella subcapitata | 96 hours<br>72 hours |

## Section 12. Ecological information

|  |                                     |   |          |
|--|-------------------------------------|---|----------|
|  | Acute EC50 519.6 mg/l Fresh water   | Crustaceans - Cypris subglobosa   | 48 hours |
|  | Acute IC50 6.87 g/L Fresh water     | Aquatic plants - Lemna minor  | 96 hours |
|  | Acute LC50 1661 mg/l Fresh water    | Daphnia - Daphnia magna   | 48 hours |
|  | Acute LC50 1000000 µg/l Fresh water | Fish - Morone saxatilis - Larvae  | 96 hours |
|  | Chronic LC10 781 mg/l Fresh water   | Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) | 3 weeks  |
|  | Chronic NOEC 6 g/L Fresh water      | Aquatic plants - Lemna minor  | 96 hours |
|  | Chronic NOEC 0.314 g/L Fresh water  | Daphnia - Daphnia pulex   | 21 days  |
|  | Chronic NOEC 100 mg/l Fresh water   | Fish - Gambusia holbrooki - Adult   | 8 weeks  |
| <b>SureSelect RNase Block</b><br>Glycerol      | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss  | 96 hours |
| <b>SureSelect Indexing Block 1</b><br>Glycerol | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss  | 96 hours |

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name                                 | LogP <sub>ow</sub> | BCF | Potential |
|---|--------------------|-----|-----------|
| <b>5X T4 DNA Ligase Buffer</b><br>Polyethylene glycol   | -                  | 3.2 | low       |
| <b>Klenow DNA Polymerase</b><br>Glycerol                | -1.76              | -   | low       |
| <b>T4 DNA Ligase</b><br>Glycerol                        | -1.76              | -   | low       |
| <b>T4 DNA Polymerase</b><br>Glycerol                    | -1.76              | -   | low       |
| <b>T4 Polynucleotide Kinase</b><br>Glycerol             | -1.76              | -   | low       |
| <b>Exo(-) Klenow</b><br>Glycerol                        | -1.76              | -   | low       |
| <b>SureSelect Methyl-Seq PCR Master Mix</b><br>Glycerol | -1.76              | -   | low       |
| <b>SureSelect RNase Block</b><br>Glycerol               | -1.76              | -   | low       |
| <b>SureSelect Indexing Block 1</b><br>Glycerol          | -1.76              | -   | low       |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

### Regulatory information

**ADG / IMDG / IATA** : Not regulated as Dangerous Goods according to the ADG Code .

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of Marpol and the IBC Code** : Not available.

## Section 15. Regulatory information

### Standard Uniform Schedule of Medicine and Poisons

6, 5

### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

**Australia inventory (AICS)** : Not determined.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

**Canada** : Not determined.  
**China** : Not determined.  
**Europe** : Not determined.  
**Japan** : **Japan inventory (ENCS):** Not determined.  
**Japan inventory (ISHL):** Not determined.  
**Malaysia** : Not determined.

## Section 15. Regulatory information

|                          |   |
|--------------------------|---|
| <b>New Zealand</b>       | : Not determined.                                     |
| <b>Philippines</b>       | : Not determined.                                     |
| <b>Republic of Korea</b> | : Not determined.                                     |
| <b>Taiwan</b>            | : Not determined.                                     |
| <b>Turkey</b>            | : <input checked="" type="checkbox"/> Not determined. |
| <b>United States</b>     | : <input checked="" type="checkbox"/> Not determined. |

## Section 16. Any other relevant information

### History

|                                       |               |
|---------------------------------------|---------------|
| <b>Date of issue/Date of revision</b> | : 31/01/2017  |
| <b>Date of previous issue</b>         | : 03/09/2015. |
| <b>Version</b>                        | : 2           |

### Key to abbreviations

ADG = Australian Dangerous Goods  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 NOHSC = National Occupational Health and Safety Commission  
 SUSMP = Standard Uniform Schedule of Medicine and Poisons  
 UN = United Nations

### Procedure used to derive the classification

| Classification  | Justification      |
|---|--------------------|
| <input checked="" type="checkbox"/> <b>5X T4 DNA Ligase Buffer</b><br>Eye Irrit. 2A, H319 | Expert judgment    |
| <b>SureSelect Hyb 1</b><br>Eye Irrit. 2A, H319  | Calculation method |
| <b>SureSelect Elution Buffer</b><br>Met. Corr. 1, H290                                    | Expert judgment    |

**References** : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

**Disclaimer:** The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.