# SAFETY DATA SHEET

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

## Section 1. Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>:</th>
<th>SureSelect XT Methyl-Seq Reagent Kits - 480 Reactions - Revised Configuration, Part Number G9651C</th>
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<td>:</td>
<td>SureSelect Methyl-Seq Block 3 5190-5005</td>
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</tbody>
</table>

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

**Material uses**

- 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 MethylatedAdapter** | : | 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 XT 8 bp Indexes** | : | 7.2 ml (0.015 ml x 480) |
| **SureSelect Hyb 1** | : | 5 x 2.4 ml |
| **SureSelect Hyb 2** | : | 0.096 ml |
Section 1. Identification

SureSelect Hyb 4 5 x 1.25 ml
SureSelect Binding Buffer 5 x 80 ml
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 Hyb 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
H373 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (respiratory tract) - Category 2

10X End Repair Buffer Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

5X T4 DNA Ligase Buffer Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

Klenow DNA Polymerase Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

T4 DNA Ligase Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%

T4 DNA Polymerase Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%

T4 Polynucleotide Kinase Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
## Section 2. Hazard(s) identification

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%</th>
<th>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%</th>
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</thead>
<tbody>
<tr>
<td>dNTP Mix</td>
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<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%</td>
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<tr>
<td>Exo(-) Klenow</td>
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<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
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<tr>
<td>SureSelect Hyb 1</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%</td>
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<td>SureSelect Hyb 4</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%</td>
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<tr>
<td>SureSelect Binding Buffer</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%</td>
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<tr>
<td>SureSelect Hyb 3</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%</td>
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<tr>
<td>SureSelect RNase Block</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%</td>
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<tr>
<td>10X End Repair Buffer</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 7.9%</td>
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<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.9%</td>
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<tr>
<td>Klenow DNA Polymerase</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%</td>
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<td>T4 DNA Polymerase</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%</td>
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<tr>
<td>dNTP Mix</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 6%</td>
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<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 7.9%</td>
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<tr>
<td>SureSelect Hyb 4</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%</td>
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<tr>
<td>SureSelect Hyb 3</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
<td>Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%</td>
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</table>
Section 2. Hazard(s) identification

**Hazard pictograms**

- 5X T4 DNA Ligase Buffer
- SureSelect Hyb 1
- SureSelect Hyb 2

**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: No signal word.
- 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 XT 8 bp Indexes: No signal word.
- SureSelect Hyb 1: WARNING
- SureSelect Hyb 2: WARNING
- 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: No signal word.
- 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: 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.
### Section 2. Hazard(s) identification

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<thead>
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<th>Item</th>
<th>Hazard Information</th>
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<td>SureSelect Methyl-Seq PCR Master Mix</td>
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<td>SureSelect XT 8 bp Indexes</td>
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<tr>
<td>SureSelect Hyb 1</td>
<td>H319 - Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>H319 - Causes serious eye irritation.</td>
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<tr>
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<td>H373 - May cause damage to organs through prolonged or repeated exposure. (respiratory tract)</td>
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### Precautionary statements

**Prevention**

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<td>10X End Repair Buffer</td>
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<td>5X T4 DNA Ligase Buffer</td>
<td>P280 - Wear eye or face protection.</td>
</tr>
<tr>
<td>P264 - Wash hands thoroughly after handling.</td>
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<td>Klenow DNA Polymerase</td>
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<tr>
<td>T4 DNA Ligase</td>
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<tr>
<td>T4 DNA Polymerase</td>
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<td>T4 Polynucleotide Kinase</td>
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<td>dNTP Mix</td>
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<td>SureSelect Methyl-Seq PCR Master Mix</td>
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<td>SureSelect XT 8 bp Indexes</td>
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<tr>
<td>SureSelect Hyb 1</td>
<td>P280 - Wear eye or face protection.</td>
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<tr>
<td>P264 - Wash hands thoroughly after handling.</td>
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<td>SureSelect Hyb 2</td>
<td>P280 - Wear eye or face protection.</td>
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<tr>
<td>P260 - Do not breathe vapour.</td>
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<td>P264 - Wash hands thoroughly after handling.</td>
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<td>SureSelect Wash Buffer 1</td>
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<td>SureSelect Wash Buffer 2</td>
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<tr>
<td>SureSelect Elution Buffer</td>
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<tr>
<td>SureSelect Block 2</td>
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<tr>
<td>SureSelect Hyb 3</td>
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<tr>
<td>SureSelect RNase Block</td>
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<td>SureSelect Indexing Block 1</td>
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Section 2. Hazard(s) identification

Block 3

Response

- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer

Klenow DNA Polymerase
T4 DNA Ligase
T4 DNA Polymerase
T4 Polynucleotide Kinase
dNTP Mix
10x Klenow Polymerase Buffer
Exo(-) Klenow
dATP
SureSelect Methyl-Seq
Methylated Adapter
SureSelect Methyl-Seq Indexing Primer Common
SureSelect Methyl-Seq PCR1 primer F
SureSelect Methyl-Seq PCR1 primer R
SureSelect Methyl-Seq PCR Master Mix
SureSelect XT 8 bp Indexes
SureSelect Hyb 1
SureSelect Hyb 2
SureSelect Hyb 3
SureSelect Hyb 4
SureSelect Methyl-Seq
SureSelect Binding Buffer
SureSelect Elution Buffer
SureSelect Wash Buffer 1
SureSelect Wash Buffer 2
SureSelect Block 2
SureSelect Methyl-Seq
SureSelect RNase Block
SureSelect Indexing Block 1
SureSelect Indexing Block 2

- 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.

- 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.

- 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.

- 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.

- 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.

Storage

- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer
- Klenow DNA Polymerase
- T4 DNA Ligase
- T4 DNA Polymerase
- T4 Polynucleotide Kinase
- dNTP Mix
- 10x Klenow Polymerase Buffer
- Exo(-) Klenow
- dATP
- SureSelect Methyl-Seq
- Methylated Adapter
- SureSelect Methyl-Seq

Not applicable.
Section 2. Hazard(s) identification

Indexing Primer Common
SureSelect Methyl-Seq PCR1 primer F
SureSelect Methyl-Seq PCR1 primer R
SureSelect Methyl-Seq PCR Master Mix
SureSelect XT 8 bp Indexes
SureSelect Hyb 1
SureSelect Hyb 2
SureSelect Hyb 4
SureSelect Binding Buffer
SureSelect Wash Buffer 1
SureSelect Wash Buffer 2
SureSelect Elution Buffer
SureSelect Block 2
SureSelect Hyb 3
SureSelect RNase Block
SureSelect Indexing Block 1
SureSelect Methyl-Seq Block 3

Disposal:
10X End Repair Buffer
5X T4 DNA Ligase Buffer
Klenow DNA Polymerase
T4 DNA Ligase
T4 DNA Polymerase
T4 Polynucleotide Kinase
dNTP Mix
10x Klenow Polymerase Buffer
Exo(-) Klenow
dATP
SureSelect Methyl-Seq Methylated Adapter
Indexing Primer Common
SureSelect Methyl-Seq PCR1 primer F
PCR1 primer R
SureSelect Methyl-Seq PCR Master Mix
SureSelect XT 8 bp Indexes
SureSelect Hyb 1
SureSelect Hyb 2
SureSelect Hyb 4
SureSelect Binding Buffer
SureSelect Wash Buffer 1
SureSelect Wash Buffer 2
SureSelect Elution Buffer
SureSelect Block 2
SureSelect Hyb 3
SureSelect RNase Block
SureSelect Indexing Block 1
SureSelect Methyl-Seq Block 3

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements
### Section 2. Hazard(s) identification

**Additional warning phrases**

<table>
<thead>
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<th>Item</th>
<th>Status</th>
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<td>10X End Repair Buffer</td>
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</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Not applicable.</td>
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<tr>
<td>Klenow DNA Polymerase</td>
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</tr>
<tr>
<td>T4 DNA Ligase</td>
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</tr>
<tr>
<td>T4 DNA Polymerase</td>
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<tr>
<td>T4 Polynucleotide Kinase</td>
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<td>dNTP Mix</td>
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<td>10x Klenow Polymerase Buffer</td>
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<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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<td>SureSelect Methyl-Seq PCR Master Mix</td>
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<tr>
<td>SureSelect RNase Block</td>
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</tr>
<tr>
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</table>

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

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<tbody>
<tr>
<td>10X End Repair Buffer</td>
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<tr>
<td>Klenow DNA Polymerase</td>
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</tr>
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<td>T4 DNA Ligase</td>
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<td>T4 DNA Polymerase</td>
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<td>T4 Polynucleotide Kinase</td>
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<tr>
<td>dNTP Mix</td>
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</tr>
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<td>10x Klenow Polymerase Buffer</td>
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<td>None known.</td>
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Section 2. Hazard(s) identification

SureSelect Wash Buffer 2
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None known.

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None known.

SureSelect Hyb 3
None known.

SureSelect RNase Block
None known.

SureSelect Indexing Block 1
None known.

SureSelect Methyl-Seq Block 3
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Section 3. Composition and ingredient information

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<th>Substance/mixture</th>
<th>Ingredient name</th>
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<th>CAS number/other identifiers</th>
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<td>5X T4 DNA Ligase Buffer</td>
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<td>Mixture</td>
<td>1185-53-1</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>T4 DNA Ligase</td>
<td>Mixture</td>
<td>56-81-5</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>T4 DNA Polymerase</td>
<td>Mixture</td>
<td>56-81-5</td>
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<tr>
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<td>T4 Polynucleotide Kinase</td>
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<tr>
<td>dNTP Mix</td>
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CAS number/other identifiers

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<th>Ingredient name</th>
<th>% (w/w)</th>
<th>CAS number/other identifiers</th>
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<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
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<td>25322-68-3</td>
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<tr>
<td></td>
<td>≤5</td>
<td>1185-53-1</td>
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<tr>
<td>Polyethylene glycol</td>
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<tr>
<td>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>≥30 - ≤60</td>
<td>56-81-5</td>
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<tr>
<td>Glycerol</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>≥30 - ≤60</td>
<td>56-81-5</td>
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<tr>
<td>Glycerol</td>
<td></td>
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</tr>
<tr>
<td>T4 DNA Polymerase</td>
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<td>56-81-5</td>
</tr>
<tr>
<td>Glycerol</td>
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Date of issue/Date of revision: 18/10/2018
Date of previous issue: 31/01/2017
Version: 3
Section 3. Composition and ingredient information

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Ingredient</th>
<th>Concentration Range</th>
<th>CAS Number</th>
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<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Glycerol</td>
<td>≥30 - ≤60</td>
<td>56-81-5</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Glycerol</td>
<td>≥30 - ≤60</td>
<td>56-81-5</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Glycerol</td>
<td>≤10</td>
<td>56-81-5</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Sodium chloride</td>
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<td>7647-14-5</td>
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<tr>
<td>SureSelect Hyb 2</td>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
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<td>139-33-3</td>
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<td>≥30 - ≤60</td>
<td>56-81-5</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
<td>Glycerol</td>
<td>≥30 - ≤60</td>
<td>56-81-5</td>
</tr>
</tbody>
</table>

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**

**Eye contact**

- **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.
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>dATP</td>
<td>Check for and remove any contact lenses. Get medical attention if irritation occurs.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>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.</td>
</tr>
<tr>
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<td>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.</td>
</tr>
<tr>
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<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>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.</td>
</tr>
<tr>
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<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.</td>
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</table>
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect RNase Block</td>
<td>Check for and remove any contact lenses. Get medical attention if irritation occurs.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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.</td>
</tr>
</tbody>
</table>
| Inhalation                      | 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. |
| 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. |
### Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Methyl-Seq</td>
<td>Position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>Methylated Adapter</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
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<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
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<tr>
<td>SureSelect Methyl-Seq</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>PCR1 primer F</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
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<tr>
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<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
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<tr>
<td>PCR Master Mix</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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 following exposure or if feeling unwell. 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.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
</tbody>
</table>
Section 4. First aid measures

SureSelect Hyb 3
- Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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

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 Hyb 3 delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Reagent</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.</td>
</tr>
</tbody>
</table>

### Ingestion

- **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
### Section 4. First aid measures

<table>
<thead>
<tr>
<th>Substance</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klenow DNA polymerase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA ligase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA polymerase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 polynucleotide kinase</td>
<td>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.</td>
</tr>
<tr>
<td>dNTP mix</td>
<td>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.</td>
</tr>
<tr>
<td>10x Klenow polymerase buffer</td>
<td>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.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>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.</td>
</tr>
<tr>
<td>dATP</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect methyl-Seq methylated adapter</td>
<td>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.</td>
</tr>
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</table>
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>First aid measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
</tbody>
</table>
| SureSelect Hyb 2                             | 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.
Section 4. First aid measures

following exposure or if feeling unwell. 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 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.

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 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 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
Section 4. First aid measures

SureSelect Methyl-Seq Block 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

**Eye contact**

<table>
<thead>
<tr>
<th>Product</th>
<th>Symptoms/Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>dATP</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Methylated Adapter</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing</td>
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<tr>
<td>Primer Common</td>
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<tr>
<td>SureSelect Methyl-Seq PCR</td>
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<tr>
<td>Master Mix</td>
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<tr>
<td>SureSelect XT 8 bp Indexes</td>
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</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Causes serious eye irritation.</td>
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<tr>
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<td>SureSelect Wash Buffer 1</td>
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<tr>
<td>SureSelect Wash Buffer 2</td>
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<tr>
<td>SureSelect Elution Buffer</td>
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<tr>
<td>SureSelect Block 2</td>
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<tr>
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<tr>
<td>SureSelect RNase Block</td>
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<tr>
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<td>SureSelect Methyl-Seq Block 3</td>
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**Inhalation**

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<thead>
<tr>
<th>Product</th>
<th>Symptoms/Effects</th>
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<tr>
<td>10X End Repair Buffer</td>
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<tr>
<td>dATP</td>
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Date of issue/Date of revision : 18/10/2018  Date of previous issue : 31/01/2017  Version : 3 19/86
Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Effects</th>
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<td>PCR1 primer R</td>
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</table>
## Section 4. First aid measures

### Ingestion

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<tr>
<th>Item</th>
<th>Effects or Hazards</th>
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<td>T4 Polynucleotide Kinase</td>
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<td>dNTP Mix</td>
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<tr>
<td>dATP</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
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</tr>
<tr>
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<tr>
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</tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
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### Over-exposure signs/symptoms

#### Eye contact

<table>
<thead>
<tr>
<th>Item</th>
<th>Effects or Hazards</th>
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<tbody>
<tr>
<td>10X End Repair Buffer</td>
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</tr>
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</table>
| 5X T4 DNA Ligase Buffer                   | Adverse symptoms may include the following: pain or irritation,
|                                           | watering,
|                                           | 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 XT 8 bp Indexes                | No specific data.                      |
| SureSelect Hyb 1                          | Adverse symptoms may include the following: pain or irritation,
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product</th>
<th>First Aid Measures</th>
</tr>
</thead>
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<tr>
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<td>Adverse symptoms may include the following: pain or irritation, watering, redness</td>
</tr>
<tr>
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</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
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<tr>
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<tr>
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<tr>
<td>SureSelect Hyb 3</td>
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<tr>
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</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
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### Inhalation

- 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: No specific data.
- 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 XT 8 bp Indexes: 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.

### Skin contact

- 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.
Section 4. First aid measures

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Indication of immediate medical attention and special treatment needed, if necessary</th>
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<tr>
<td>SureSelect Elution Buffer</td>
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<tr>
<td>SureSelect Block 2</td>
<td>No specific data.</td>
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<tr>
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<tr>
<td>SureSelect RNase Block</td>
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<td>No specific data.</td>
</tr>
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<tr>
<td>Klenow DNA Polymerase</td>
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<td>T4 DNA Polymerase</td>
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<tr>
<td>T4 Polynucleotide Kinase</td>
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</tr>
<tr>
<td>dNTP Mix</td>
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<tr>
<td>10x Klenow Polymerase Buffer</td>
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</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>No specific data.</td>
</tr>
<tr>
<td>dATP</td>
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<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
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</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
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</tr>
<tr>
<td>SureSelect Hyb 1</td>
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</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
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</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
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<tr>
<td>SureSelect Wash Buffer 2</td>
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<tr>
<td>SureSelect Elution Buffer</td>
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<td>SureSelect Methyl-Seq Block 3</td>
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Indication of immediate medical attention and special treatment needed, if necessary
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Notes to physician</th>
<th>Ingredient</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>10X Klenow Polymerase Buffer</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>dATP</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
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<td>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.</td>
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</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
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</table>
## Section 4. First aid measures

<table>
<thead>
<tr>
<th>Item</th>
<th>Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</td>
</tr>
</tbody>
</table>

### 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 XT 8 bp Indexes**
  - No specific treatment.
- **SureSelect Hyb 1**
  - No specific treatment.
- **SureSelect Hyb 2**
  - No specific treatment.
- **SureSelect Hyb 4**
  - No specific treatment.
- **SureSelect Binding Buffer**
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- **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**
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- **SureSelect Methyl-Seq Block 3**
  - No specific treatment.
### Section 4. First aid measures

**Protection of first-aiders:**

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<th>Reagent</th>
<th>Protection Measure</th>
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<tr>
<td>10X End Repair Buffer</td>
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<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
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<tr>
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**Section 4. First aid measures**

See toxicological information (Section 11)

**Section 5. Firefighting measures**

*Extinguishing media*

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Extinguishing agent suitable for the surrounding fire.</th>
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<tbody>
<tr>
<td>10X End Repair Buffer</td>
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</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
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<tr>
<td>Klenow DNA Polymerase</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
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<tr>
<td>T4 DNA Polymerase</td>
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<tr>
<td>T4 Polynucleotide Kinase</td>
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</tr>
<tr>
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<tr>
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<tr>
<td>Indexing Primer Common</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>1 primer F</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>1 primer R</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>Master Mix</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>
### Section 5. Firefighting measures

**Unsuitable extinguishing media**
- 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.
- Indexing Primer Common: None known.
- SureSelect Methyl-Seq PCR1 primer F: None known.
- PCR1 primer R: None known.
- SureSelect Methyl-Seq PCR Master Mix: None known.
- SureSelect XT 8 bp Indexes: 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 Indexing Block 3: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
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- SureSelect Hyb 3: None known.
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- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
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- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
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- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
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- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
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- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
- SureSelect Hyb 3: None known.
- SureSelect RNase Block: None known.
- SureSelect Indexing Block 1: None known.
- SureSelect Methyl-Seq: None known.
### Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Decomposition products</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR1 primer R</td>
<td>and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>In a fire or if heated, a pressure increase will occur and the container may burst.</td>
</tr>
</tbody>
</table>

**Hazardous thermal decomposition products**

- 5X T4 DNA Ligase Buffer
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide
    - nitrogen oxides
    - sulfur oxides
    - halogenated compounds
    - metal oxide/oxides

- Klenow DNA Polymerase
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide
    - nitrogen oxides
    - halogenated compounds
    - metal oxide/oxides

- T4 DNA Ligase
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide

- T4 DNA Polymerase
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide

- T4 Polynucleotide Kinase
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide

- dNTP Mix
  - Decomposition products may include the following materials:
    - carbon dioxide
## Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Decomposition products may include the following materials:</th>
</tr>
</thead>
<tbody>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>carbon dioxide, nitrogen oxides, phosphorus oxides</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Decomposition products may include the following materials: carbon dioxide, carbon monoxide</td>
</tr>
<tr>
<td>dATP</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Decomposition products may include the following materials: carbon dioxide, carbon monoxide</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Decomposition products may include the following materials: phosphorus oxides, halogenated compounds, metal oxide/oxides</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, metal oxide/oxides</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxides</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Decomposition products may include the following materials: halogenated compounds, metal oxide/oxides</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, phosphorus oxides</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides</td>
</tr>
</tbody>
</table>
Section 5. Firefighting measures

SureSelect RNase Block
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

SureSelect Indexing Block 1
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

SureSelect Methyl-Seq Block 3
No specific data.

**Special protective actions for fire-fighters**

- **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**
  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.

Sulfur oxides
Halogenated compounds
Carbonyl halides
Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR1 primer F</td>
<td>from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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.</td>
</tr>
<tr>
<td>Special protective equipment for fire-fighters</td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>--</td>
</tr>
<tr>
<td>10X End Repair Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
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<tr>
<td>T4 DNA Polymerase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
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<td>T4 Polynucleotide Kinase</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>dATP</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>
### Section 5. Firefighting measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 1</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

- **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

<table>
<thead>
<tr>
<th>Item</th>
<th>Action &amp; Protection Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klenow DNA Polymerase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>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.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
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</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>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.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>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.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>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.</td>
</tr>
<tr>
<td>dATP</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>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.</td>
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</table>
Section 6. Accidental release measures

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 XT 8 bp Indexes

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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
Section 6. Accidental release measures

areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. 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.

For emergency responders:

- **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 information in "For non-emergency personnel".

- **10x Klenow 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".
Section 6. Accidental release measures

Buffer 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 XT 8 bp Indexes 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 information in "For non-emergency personnel".
### Section 6. Accidental release measures

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<tr>
<th>Reagent Kit</th>
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</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>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).</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>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).</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>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).</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>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).</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>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).</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>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).</td>
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## Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>dATP</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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).</td>
</tr>
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## Section 6. Accidental release measures

<table>
<thead>
<tr>
<th>Product</th>
<th>Instructions</th>
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</thead>
<tbody>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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污染 (sewers, waterways, soil or air).</td>
</tr>
</tbody>
</table>

### Methods and material for containment and cleaning up

**Methods for cleaning up**

- **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.

- **T4 DNA Polymerase**
  Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.
Section 6. Accidental release measures

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 inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
**Section 6. Accidental release measures**

- **SureSelect XT 8 bp Indexes**: 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. 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.

- **SureSelect RNase Block**: 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.
**Section 6. Accidental release measures**

<table>
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<tr>
<th>Product</th>
<th>Precautions</th>
</tr>
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<tbody>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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.</td>
</tr>
</tbody>
</table>

**Section 7. Handling and storage**

<table>
<thead>
<tr>
<th>Protective measures</th>
<th>Precautions for safe handling</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>dATP</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>PCR1 primer F</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>PCR1 primer R</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
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</table>
### Section 7. Handling and storage

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 2</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Put on appropriate personal protective equipment (see Section 8).</td>
</tr>
</tbody>
</table>

**Advice on general occupational hygiene**

- **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 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.
### Section 7. Handling and storage

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<thead>
<tr>
<th>Reagent Name</th>
<th>Hygiene Measures</th>
</tr>
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<tbody>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
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<tr>
<td></td>
<td>handled, stored and processed. Workers should wash hands and face before eating,</td>
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<tr>
<td></td>
<td>drinking and smoking. Remove contaminated clothing and protective equipment before</td>
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<td>entering eating areas. See also Section 8 for additional information on hygiene</td>
</tr>
<tr>
<td></td>
<td>measures.</td>
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<tr>
<td>dNTP Mix</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
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<td>10x Klenow Polymerase Buffer</td>
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<td>measures.</td>
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<td>Exo(-) Klenow</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
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<td>dATP</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
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<td>measures.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
</tr>
<tr>
<td>Adapter</td>
<td>handled, stored and processed. Workers should wash hands and face before eating,</td>
</tr>
<tr>
<td></td>
<td>drinking and smoking. Remove contaminated clothing and protective equipment before</td>
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<tr>
<td>SureSelect Methyl-Seq Indexing Primer</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
</tr>
<tr>
<td>Common</td>
<td>handled, stored and processed. Workers should wash hands and face before eating,</td>
</tr>
<tr>
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<td>drinking and smoking. Remove contaminated clothing and protective equipment before</td>
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<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
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<td></td>
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<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
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<td>handled, stored and processed. Workers should wash hands and face before eating,</td>
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<tr>
<td>SureSelect Methyl-Seq PCR</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is</td>
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</table>
### Section 7. Handling and storage

<table>
<thead>
<tr>
<th>Product</th>
<th>Handling and Storage Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master Mix</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>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.</td>
</tr>
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</table>
## Section 7. Handling and storage

<table>
<thead>
<tr>
<th>Product</th>
<th>Handling and Storage Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Hyb 3</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>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.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>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.</td>
</tr>
<tr>
<td>10X End Repair Buffer</td>
<td>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. See Section 10 for incompatible materials before handling or use.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>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. See Section 10 for incompatible materials before handling or use.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>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. See Section 10 for incompatible materials before handling or use.</td>
</tr>
</tbody>
</table>

**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. See Section 10 for incompatible materials before handling or use.

- **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. See Section 10 for incompatible materials before handling or use.

- **Klenow 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. See Section 10 for incompatible materials before handling or use.
Section 7. Handling and storage

prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. 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. See Section 10 for incompatible materials before handling or use.

T4 DNA Ligase

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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for incompatible materials before handling or use.

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 ready for use.
Section 7. Handling and storage

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

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. See Section 10 for incompatible materials before handling or use.

**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. See Section 10 for incompatible materials before handling or use.

**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. See Section 10 for incompatible materials before handling or use.

**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. See Section 10 for incompatible materials before handling or use.

**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. See Section 10 for incompatible materials before handling or use.

**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. See Section 10 for incompatible materials before handling or use.

**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 containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
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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. See Section 10 for incompatible materials before handling or use.

SureSelect XT 8 bp Indexes
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. See Section 10 for incompatible materials before handling or use.

SureSelect Hyb 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. See Section 10 for incompatible materials before handling or use.

SureSelect Hyb 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. See Section 10 for incompatible materials before handling or use.

SureSelect Hyb 4
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. See Section 10 for incompatible materials before handling or use.

SureSelect Binding 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. See Section 10 for incompatible materials before handling or use.

SureSelect Wash Buffer 1
Storage temperature: -80°C (-112°F). Store in
Section 7. Handling and storage

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

accordance with local regulations. Shelf life: 1 Year. 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. See Section 10 for incompatible materials before handling or use.

SureSelect Wash Buffer 2

Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. 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. See Section 10 for incompatible materials before handling or use.

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. 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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for incompatible materials before handling or use.

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. See Section 10 for incompatible materials before handling or use.

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.
Section 7. Handling and storage

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. See Section 10 for incompatible materials before handling or use.

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 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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
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<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>DFG MAC-values list (Germany, 7/2017). PEAK: 8000 mg/m³, 4 times per shift, 15 minutes. Form: Inhalable fraction TWA: 1000 mg/m³ 8 hours. Form: Inhalable fraction</td>
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<tr>
<td>Polyethylene glycol</td>
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<tr>
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<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
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<td>T4 DNA Ligase</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
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<td>Glycerol</td>
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<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
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<td>Glycerol</td>
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<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
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<td>Glycerol</td>
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<tr>
<td>Exo(-) Klenow</td>
<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
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<td>Glycerol</td>
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<tr>
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<td>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
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</tbody>
</table>
Section 8. Exposure controls and personal protection

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.

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

Physical state: 
- 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.
Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Item</th>
<th>State</th>
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<tr>
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**Colour**
### Odour

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### Odour threshold

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Section 9. Physical and chemical properties

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<tr>
<th>Chemicals</th>
<th>pH</th>
<th>Temperature</th>
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<tr>
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Section 9. Physical and chemical properties

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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)
SureSelect Methyl-Seq 0°C (32°F)
Block 3

Boiling point:
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5X T4 DNA Ligase Buffer Not available.
Klenow DNA Polymerase Not available.
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T4 Polynucleotide Kinase Not available.
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10x Klenow Polymerase Buffer Not available.
Exo(-) Klenow Not available.
dATP 100°C (212°F)
SureSelect Methyl-Seq 100°C (212°F)
Methylated Adapter
SureSelect Methyl-Seq 100°C (212°F)
Indexing Primer Common
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PCR1 primer F
SureSelect Methyl-Seq 100°C (212°F)
PCR1 primer R
SureSelect Methyl-Seq PCR Master Mix 100°C (212°F)
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SureSelect Hyb 2 Not available.
SureSelect Hyb 4 100°C (212°F)
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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)
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SureSelect Indexing Block 1 100°C (212°F)
SureSelect Methyl-Seq 100°C (212°F)
Block 3

Flash point:
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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.
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Methylated Adapter
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### Section 9. Physical and chemical properties

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**Evaporation rate**

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**Date of issue/Date of revision**: 18/10/2018

**Date of previous issue**: 31/01/2017

**Version**: 3
### Section 9. Physical and chemical properties

| Flammability (solid, gas) | 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 | Not applicable. | dATP | Not applicable. | SureSelect Methyl-Seq | Not applicable. | Methylated Adapter | Not applicable. | SureSelect Methyl-Seq Indexing Primer Common | Not applicable. | SureSelect Methyl-Seq PCR F | Not applicable. | PCR1 primer F | Not applicable. | SureSelect Methyl-Seq PCR R | Not applicable. | PCR1 primer R | Not applicable. |
|---------------------------|------------------------|------------------|-------------------------|------------------|----------------------|---------------------|---------------|------------------|------------------|------------------|---------------------|---------------|------------------|------------------|--------------------------|------------------|------------------|------------------|--------------------------|------------------|------------------|------------------|--------------------------|------------------|------------------|------------------|--------------------------|
Section 9. Physical and chemical properties

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Section 9. Physical and chemical properties

Relative density:
- 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.
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- 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.

Solubility:
- 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.
### Section 9. Physical and chemical properties

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### Partition coefficient: n-octanol/water

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**Date of issue/Date of revision:** 18/10/2018 **Date of previous issue:** 31/01/2017 **Version:** 3
Section 9. Physical and chemical properties

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.
### Section 9. Physical and chemical properties

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</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Not available.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Not available.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Date of issue/Date of revision : 18/10/2018  Date of previous issue : 31/01/2017  Version : 3  65/86
## Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>10X Klenow Polymerase Buffer</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>dATP</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
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</tr>
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<td>SureSelect Methyl-Seq PCR Master Mix</td>
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</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
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</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
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</tr>
<tr>
<td>SureSelect Binding Buffer</td>
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</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
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<td>SureSelect Wash Buffer 2</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
</tbody>
</table>
### Section 10. Stability and reactivity

#### Chemical stability

<table>
<thead>
<tr>
<th>Product</th>
<th>Stability</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>dATP</td>
<td>The product is stable.</td>
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<tr>
<td>SureSelect Methyl-Seq Methylation Adapter</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Primer F</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Primer R</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>The product is stable.</td>
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</table>

#### Possibility of hazardous reactions

<table>
<thead>
<tr>
<th>Product</th>
<th>Hazardous reactions</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>dATP</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
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<tr>
<td>SureSelect Methyl-Seq Methylation Adapter</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>PCR1 primer F</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
</tbody>
</table>
### Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Item</th>
<th>Conditions to avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCR1 primer R</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No specific data.</td>
</tr>
</tbody>
</table>

#### 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 XT 8 bp Indexes**: 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.
### Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Incompatible materials</th>
<th>Hazardous decomposition products</th>
</tr>
</thead>
<tbody>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>dATP</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>Reactive or incompatible with the following materials: acids</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>May react or be incompatible with oxidising materials.</td>
</tr>
</tbody>
</table>
Section 10. Stability and reactivity

- **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 XT 8 bp Indexes**: 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 Block 3**: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Klenow DNA Polymerase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>3000 mg/kg</td>
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<tr>
<td>Sodium chloride</td>
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<tr>
<td>SureSelect Hyb 2</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>2 g/kg</td>
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<tr>
<td>Disodium dihydrogen ethylenediaminetetraacetate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect RNase Block 1</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>12600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Polyethylene glycol</td>
<td></td>
<td></td>
<td></td>
<td>500 milligrams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>500 milligrams</td>
<td></td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td>500 milligrams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td></td>
<td></td>
<td>500 milligrams</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td></td>
<td></td>
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</table>
## Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Toxicity Component</th>
<th>Species</th>
<th>Dose</th>
<th>Duration</th>
<th>Route</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>100 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eyes - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>10 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours</td>
<td>500 milligrams</td>
<td>-</td>
</tr>
</tbody>
</table>

**Sensitisation**

Not available.

**Mutagenicity**

*Conclusion/Summary*: Not available.

**Carcinogenicity**

*Conclusion/Summary*: Not available.

**Reproductive toxicity**

*Conclusion/Summary*: Not available.

**Teratogenicity**

*Conclusion/Summary*: Not available.

**Specific target organ toxicity (single exposure)**
### Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>2-Amino-2-[(hydroxymethyl)propane-1,3-diol hydrochloride]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10X End Repair Buffer</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td></td>
<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
<td></td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<tr>
<td>T4 DNA Ligase</td>
<td></td>
<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<tr>
<td>T4 DNA Polymerase</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<tr>
<td>T4 Polynucleotide Kinase</td>
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<tr>
<td>dNTP Mix</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<tr>
<td>10x Klenow Polymerase Buffer</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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</tr>
<tr>
<td>Exo(-) Klenow</td>
<td></td>
<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
<td></td>
</tr>
<tr>
<td>dATP</td>
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<td>SureSelect Methyl-Seq Methylated Adapter</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
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<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
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<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
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<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td></td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td></td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<tr>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<td>SureSelect Elution Buffer</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<td>SureSelect Block 2</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<td>SureSelect Hyb 3</td>
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<td>SureSelect Indexing Block 1</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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<tr>
<td>SureSelect Methyl-Seq Block 3</td>
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<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
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### Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
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</thead>
<tbody>
<tr>
<td>SureSelect Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate</td>
<td>Category 2</td>
<td>Inhalation</td>
<td>respiratory tract</td>
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### Aspiration hazard

Not available.

### Information on likely routes of exposure

<table>
<thead>
<tr>
<th>Name</th>
<th>Route of entry anticipated</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X End Repair Buffer</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>dATP</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Methylated Adapter</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer F</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR1 primer R</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>Oral, Dermal, Inhalation</td>
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<td>SureSelect Binding Buffer</td>
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<tr>
<td>SureSelect Wash Buffer 1</td>
<td>Oral, Dermal, Inhalation</td>
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<td>SureSelect Wash Buffer 2</td>
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<tr>
<td>SureSelect Elution Buffer</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>Oral, Dermal, Inhalation</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>Oral, Dermal, Inhalation</td>
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<tr>
<td>SureSelect RNase Block</td>
<td>Oral, Dermal, Inhalation</td>
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<tr>
<td>SureSelect Indexing Block 1</td>
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<tr>
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### Potential acute health effects

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<tr>
<td>10X End Repair Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>5X T4 DNA Ligase Buffer</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Klenow DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Ligase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 DNA Polymerase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>dNTP Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>10x Klenow Polymerase Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Exo(-) Klenow</td>
<td>No known significant effects or critical hazards.</td>
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### Section 11. Toxicological information

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<thead>
<tr>
<th>Material</th>
<th>Toxicological Effects</th>
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<tbody>
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<td>dATP</td>
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<tr>
<td>SureSelect Methyl-Seq Indexing Primer Common</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR primer F</td>
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</tr>
<tr>
<td>SureSelect Methyl-Seq PCR primer R</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 1</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Wash Buffer 2</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Elution Buffer</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Block 2</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Hyb 3</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect RNase Block</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**Inhalation:**
- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer
- Klenow DNA Polymerase
- T4 DNA Ligase
- T4 DNA Polymerase
- T4 Polynucleotide Kinase
- dNTP Mix
- 10× Klenow Polymerase Buffer
- Exo(-) Klenow
- dATP
- SureSelect Methyl-Seq Methylated Adapter
- SureSelect Methyl-Seq Indexing Primer Common
- PCR1 primer F
- PCR1 primer R
- SureSelect Methyl-Seq PCR Master Mix
- SureSelect XT 8 bp Indexes
- SureSelect Hyb 1
- SureSelect Hyb 2
- SureSelect Hyb 4
- SureSelect Binding Buffer
- SureSelect Wash Buffer 1
- SureSelect Wash Buffer 2
- SureSelect Elution Buffer
- SureSelect Block 2
- SureSelect Hyb 3
- SureSelect RNase Block
- SureSelect Indexing Block 1
- SureSelect Methyl-Seq Block 3

No known significant effects or critical hazards.
Section 11. Toxicological information

**Skin contact**: No known significant effects or critical hazards.
- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer
- Klenow DNA Polymerase
- T4 DNA Ligase
- T4 DNA Polymerase
- T4 Polynucleotide Kinase
- dNTP Mix
- 10x Klenow Polymerase Buffer
- Exo(-) Klenow
- dATP
- SureSelect Methyl-Seq Methylated Adapter
- SureSelect Methyl-Seq Indexing Primer Common
- SureSelect Methyl-Seq PCR1 primer F
- SureSelect Methyl-Seq PCR1 primer R
- SureSelect Methyl-Seq PCR Master Mix
- SureSelect XT 8 bp Indexes
- SureSelect Hyb 1
- SureSelect Hyb 2
- SureSelect Hyb 4
- SureSelect Binding Buffer
- SureSelect Wash Buffer 1
- SureSelect Wash Buffer 2
- SureSelect Elution Buffer
- SureSelect Block 2
- SureSelect Hyb 3
- SureSelect RNase Block
- SureSelect Indexing Block 1
- SureSelect Methyl-Seq Block 3

**Ingestion**: No known significant effects or critical hazards.
- 10X End Repair Buffer
- 5X T4 DNA Ligase Buffer
- Klenow DNA Polymerase
- T4 DNA Ligase
- T4 DNA Polymerase
- T4 Polynucleotide Kinase
- dNTP Mix
- 10x Klenow Polymerase Buffer
- Exo(-) Klenow
- dATP
- SureSelect Methyl-Seq Methylated Adapter
- SureSelect Methyl-Seq Indexing Primer Common
- SureSelect Methyl-Seq PCR1 primer F
- SureSelect Methyl-Seq PCR1 primer R
- SureSelect Methyl-Seq PCR Master Mix
- SureSelect XT 8 bp Indexes
- SureSelect Hyb 1
- SureSelect Hyb 2
- SureSelect Hyb 4
- SureSelect Binding Buffer
- SureSelect Wash Buffer 1
- SureSelect Wash Buffer 2
Section 11. Toxicological information

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:
pain or irritation
watering
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.
PCR1 primer F  No specific data.
SureSelect Methyl-Seq PCR Master Mix  No specific data.
SureSelect XT 8 bp Indexes  No specific data.
SureSelect Hyb 1  Adverse symptoms may include the following:
pain or irritation
watering
redness
SureSelect Hyb 2  Adverse symptoms may include the following:
pain or irritation
watering
redness
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.

---

Inhalation:

---

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.
Section 11. Toxicological information

Skin contact

<table>
<thead>
<tr>
<th>Product</th>
<th>Toxicological information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exo(-) Klenow</td>
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</tr>
<tr>
<td>dATP</td>
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<tr>
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<td>No specific data.</td>
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<td>No specific data.</td>
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<tr>
<td>SureSelect XT 8 bp Indexes</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 1</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td>No specific data.</td>
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<tr>
<td>SureSelect Hyb 4</td>
<td>No specific data.</td>
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<td>No specific data.</td>
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<td>SureSelect Wash Buffer 2</td>
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<tr>
<td>SureSelect Block 2</td>
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<tr>
<td>SureSelect Hyb 3</td>
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<td>SureSelect RNase Block</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Indexing Block 1</td>
<td>No specific data.</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq Block 3</td>
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<tr>
<td>10X End Repair Buffer</td>
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<tr>
<td>5X T4 DNA Ligase Buffer</td>
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<td>dNTP Mix</td>
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<tr>
<td>SureSelect Hyb 1</td>
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</tr>
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<td>SureSelect Hyb 2</td>
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<td>SureSelect Elution Buffer</td>
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</tr>
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<td>SureSelect Block 2</td>
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<tr>
<td>SureSelect Hyb 3</td>
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<td>SureSelect RNase Block</td>
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</tr>
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<td>SureSelect Methyl-Seq Block 3</td>
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</table>
Section 11. Toxicological information

General:

Potential chronic health effects:

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: No specific data.
dATP: No specific data.
SureSelect Methyl-Seq: No specific data.
Methylated Adapter: No specific data.
SureSelect Methyl-Seq Indexing Primer Common: No specific data.
SureSelect Methyl-Seq PCR Master Mix: No specific data.
SureSelect XT 8 bp Indexes: No specific data.
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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.

Potential immediate effects:

Not available.

Potential delayed effects:

Not available.

Potential chronic effects:

No known significant effects or critical hazards.

Potential immediate effects:

No specific data.

Potential delayed effects:

No specific data.

Potential chronic effects:

No known significant effects or critical hazards.

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Indexing Primer Common
SureSelect Methyl-Seq No known significant effects or critical hazards.
PCR1 primer F
SureSelect Methyl-Seq No known significant effects or critical hazards.
PCR1 primer R
SureSelect Methyl-Seq PCR Master Mix No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes No known significant effects or critical hazards.
SureSelect Hyb 1 No known significant effects or critical hazards.
SureSelect Hyb 2 May cause damage to organs through prolonged or repeated exposure.
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.
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 PCR Master Mix No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes 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.
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 PCR Master Mix No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes 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.
Carcinogenicity: 
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 PCR Master Mix No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes 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.
### Section 11. Toxicological information

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<td>5X T4 DNA Ligase Buffer</td>
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<td>Klenow DNA Polymerase</td>
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<td>T4 DNA Polymerase</td>
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<td>T4 Polynucleotide Kinase</td>
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<td>dNTP Mix</td>
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</tr>
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<td>SureSelect Methyl-Seq PCR1 primer R</td>
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<td>SureSelect Hyb 2</td>
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<td>5X T4 DNA Ligase Buffer</td>
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<td>Klenow DNA Polymerase</td>
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<td>T4 DNA Polymerase</td>
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<td>T4 Polynucleotide Kinase</td>
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</tr>
<tr>
<td>dNTP Mix</td>
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<td>10x Klenow Polymerase Buffer</td>
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</tr>
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<td>Exo(-) Klenow</td>
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<td>SureSelect Methyl-Seq PCR1 primer R</td>
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<td>SureSelect Methyl-Seq PCR Master Mix</td>
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<td>SureSelect XT 8 bp Indexes</td>
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<tr>
<td>SureSelect Hyb 1</td>
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</tr>
<tr>
<td>SureSelect Hyb 2</td>
<td></td>
</tr>
<tr>
<td>SureSelect Hyb 4</td>
<td></td>
</tr>
<tr>
<td>SureSelect Binding Buffer</td>
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<tr>
<td>SureSelect Wash Buffer 1</td>
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<tr>
<td>SureSelect Wash Buffer 2</td>
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Section 11. Toxicological information

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.

Developmental effects:

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 XT 8 bp Indexes  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.

Fertility effects:

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.
**Section 11. Toxicological information**

SureSelect XT 8 bp Indexes  
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  
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SureSelect Wash Buffer 1  
No known significant effects or critical hazards.

SureSelect Wash Buffer 2  
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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**

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<td>30X End Repair Buffer</td>
<td>32467.5 mg/kg</td>
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<tr>
<td>Oral</td>
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<tr>
<td>SureSelect Hyb 2</td>
<td>13698.6 mg/kg</td>
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<tr>
<td>Oral</td>
<td>Inhalation (dusts and mists)</td>
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<tr>
<td>SureSelect Hyb 4</td>
<td>128800 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
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**Section 12. Ecological information**

**Toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
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<tbody>
<tr>
<td>5X T4 DNA Ligase Buffer Polyethylene glycol</td>
<td>Acute LC50 &gt;1000000 μg/l Fresh water</td>
<td>Fish - Salmo salar - Parr</td>
<td>96 hours</td>
</tr>
<tr>
<td>Klenow DNA Polymerase Glycerol</td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td>T4 DNA Ligase Glycerol</td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td>T4 DNA Polymerase Glycerol</td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td>T4 Polynucleotide Kinase Glycerol</td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td>Exo(-) Klenow Glycerol</td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td>SureSelect Methyl-Seq PCR Master Mix Glycerol</td>
<td>Acute LC50 54000 mg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
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<tr>
<td>SureSelect Hyb 1 Sodium chloride</td>
<td>Acute EC50 4.74 g/L Fresh water</td>
<td>Algae - Chlamydomonas reinhardtii</td>
<td>96 hours</td>
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</table>
Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
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<td>Acute LC50 54000 mg/l Fresh water</td>
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<td>Fish - Oncorhynchus mykiss</td>
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<td>Persistence and degradability</td>
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<td>Glycerol</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
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<tr>
<td>T4 DNA Ligase</td>
<td>Glycerol</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
<td>-</td>
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<tr>
<td>T4 DNA Polymerase</td>
<td>Glycerol</td>
<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
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<td>T4 Polynucleotide Kinase</td>
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<td>Exo(-) Klenow</td>
<td>Glycerol</td>
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<td>93 % - 30 days</td>
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<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
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<tr>
<td>SureSelect RNase Block</td>
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<td>301D Ready Biodegradability - Closed Bottle Test</td>
<td>93 % - 30 days</td>
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### Bioaccumulative potential

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<tr>
<th>Product/ingredient name</th>
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<td>-</td>
<td>low</td>
</tr>
<tr>
<td>T4 DNA Polymerase Glycerol</td>
<td>-1.76</td>
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<td>low</td>
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<tr>
<td>Exo(-) Klenow Glycerol</td>
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<td>low</td>
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</table>

### 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport 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

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

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.

Inventory list

Australia : Not determined.
Canada : Not determined.
China : Not determined.
Europe : Not determined.
Japan : Japan inventory (ENCS): Not determined.
Japan inventory (ISHL): Not determined.
Malaysia : Not determined.
New Zealand : Not determined.
Philippines : Not determined.

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Version : 3
Section 15. Regulatory information

- Republic of Korea: Not determined.
- Taiwan: Not determined.
- Thailand: Not determined.
- Turkey: Not determined.
- United States: Not determined.
- Viet Nam: Not determined.

Section 16. Any other relevant information

**History**
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- Version: 3

**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
- NOHSC = National Occupational Health and Safety Commission
- SUSMP = Standard Uniform Schedule of Medicine and Poisons
- UN = United Nations

**Procedure used to derive the classification**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
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<tr>
<td>5X T4 DNA Ligase Buffer</td>
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<tr>
<td>Eye Irrit. 2A, H319</td>
<td>Expert judgment</td>
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<tr>
<td>SureSelect Hyb 1</td>
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<td>Eye Irrit. 2A, H319</td>
<td>Calculation method</td>
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<td>Eye Irrit. 2A, H319</td>
<td>Calculation method</td>
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<tr>
<td>STOT RE 2, H373 (respiratory tract)</td>
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**References**: Not available.

**Notice to reader**

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