

# SAFETY DATA SHEET



SureSelect XT HS Reagent Kit with indexes 17-32, 16 reactions, Part Number G9702B

## Section 1. Identification

|                                |   |  |
|--------------------------------|---|--|
| <b>Product identifier</b>      | : | SureSelect XT HS Reagent Kit with indexes 17-32, 16 reactions, Part Number G9702B                        |
| <b>Part No. (Chemical Kit)</b> | : | G9702B   |
| <b>Part No.</b>                | : | <b>SureSelect XT HS Library Preparation Kit for ILM (Pre PCR), 16 Rxn</b> <b>5500-0138</b>               |
|                                |   | End Repair-A Tailing Enzyme Mix 5190-6412  |
|                                |   | End Repair-A Tailing Buffer 5190-6413  |
|                                |   | T4 DNA Ligase 5190-6414  |
|                                |   | Ligation Buffer 5190-6415  |
|                                |   | Adaptor Oligo Mix 5190-6416  |
|                                |   | Forward Primer 5190-6417   |
|                                |   | <b>5500-0138/5190-9684</b>   |
|                                |   | dNTP Mix 5190-6418   |
|                                |   | Herculase II Fusion DNA Polymerase 5190-7742   |
|                                |   | 5X Herculase II Reaction Buffer 600675-52  |
|                                |   | <b>SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 1 (Post PCR), 16 Rxn</b> <b>5190-9685</b> |
|                                |   | SureSelect Binding Buffer 5190-4399  |
|                                |   | SureSelect Wash Buffer 1 5190-4400   |
|                                |   | SureSelect Wash Buffer 2 5190-4401   |
|                                |   | <b>SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 16 Rxn</b> <b>5190-9684</b> |
|                                |   | SureSelect XT HS Blocker Mix 5190-9683   |
|                                |   | SureSelect Fast Hybridization Buffer 5190-7327   |
|                                |   | SureSelect RNase Block 5190-4383   |
|                                |   | SureSelect Post- Capture Primer Mix 5190-9730  |
|                                |   | <b>SureSelect XT HS Index Primers 17-32 for ILM (Pre PCR)</b> <b>5500-0142</b>                           |
|                                |   | SureSelect XT HS Index Primer A03-H04 Various*   |

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


Analytical reagent.

|                                       |                             |
|---------------------------------------|-----------------------------|
| End Repair-A Tailing Enzyme Mix       | 0.064 ml (16 reactions)     |
| End Repair-A Tailing Buffer           | 0.256 ml (16 reactions)     |
| T4 DNA Ligase                         | 0.032 ml (16 reactions)     |
| Ligation Buffer                       | 0.368 ml (16 reactions)     |
| Adaptor Oligo Mix                     | 0.08 ml (16 reactions)      |
| Forward Primer                        | 0.032 ml (16 reactions)     |
| dNTP Mix                              | 0.008 ml (16 reactions)     |
| Herculase II Fusion DNA Polymerase    | 0.016 ml (32 reactions)     |
| 5X Herculase II Reaction Buffer       | 1.5 ml                      |
| SureSelect Binding Buffer             | 13.2 ml                     |
| SureSelect Wash Buffer 1              | 8 ml                        |
| SureSelect Wash Buffer 2              | 24 ml                       |
| SureSelect XT HS Blocker Mix          | 0.08 ml (16 reactions)      |
| SureSelect Fast Hybridization Buffer  | 0.45 ml                     |
| SureSelect RNase Block                | 0.016 ml                    |
| SureSelect Post- Capture Primer Mix   | 0.016 ml (16 reactions)     |
| SureSelect XT HS Index Primer A03-H04 | 16 x 0.01 ml (16 reactions) |

## Section 1. Identification

**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

**Nota \*** :  kit containing Agilent Part Number: 5500-0138, 5190-9684, 5190-9685, 5500-0142  
\*SureSelect XT HS Index Primer A03-H04: 5190-9740, 5190-9741, 5190-9742, 5190-9743, 5190-9744, 5190-9745, 5190-9746, 5190-9747, 5190-9748, 5190-9749, 5190-9750, 5190-9751, 5190-9752, 5190-9753, 5190-9754, 5190-9755

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

Not classified.

|                                      |   |
|--------------------------------------|---|
| End Repair-A Tailing Enzyme Mix      | Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%            |
| End Repair-A Tailing 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: 1 - 10%             |
|                                      | 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%            |
| Ligation Buffer                      | Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%            |
| dNTP Mix                             | 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: 1 - 10%             |
|                                      | Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%                   |
| Herculase II Fusion DNA Polymerase   | Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%            |
| 5X Herculase II Reaction 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: 1 - 10%             |
| SureSelect Binding Buffer            | Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%             |
| SureSelect Fast Hybridization 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: 30 - 60%            |
|                                      | Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%                   |
| SureSelect RNase Block               | Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%            |
| End Repair-A Tailing Buffer          | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.7% |
| dNTP Mix                             | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.3% |
| SureSelect Fast Hybridization Buffer | Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6% |

### GHS label elements

## Section 2. Hazard(s) identification

|  |                                       |   |
|--|---------------------------------------|---|
| <b>Signal word</b>                     | : End Repair-A Tailing Enzyme Mix     | No signal word.                                   |
|  | End Repair-A Tailing Buffer           | No signal word.                                   |
|  | T4 DNA Ligase                         | No signal word.                                   |
|  | Ligation Buffer                       | No signal word.                                   |
|  | Adaptor Oligo Mix                     | No signal word.                                   |
|  | Forward Primer                        | No signal word.                                   |
|  | dNTP Mix                              | No signal word.                                   |
|  | Herculase II Fusion DNA Polymerase    | No signal word.                                   |
|  | 5X Herculase II Reaction Buffer       | No signal word.                                   |
|  | SureSelect Binding Buffer             | No signal word.                                   |
|  | SureSelect Wash Buffer 1              | No signal word.                                   |
|  | SureSelect Wash Buffer 2              | No signal word.                                   |
|  | SureSelect XT HS Blocker Mix          | No signal word.                                   |
|  | SureSelect Fast Hybridization Buffer  | No signal word.                                   |
|  | SureSelect RNase Block                | No signal word.                                   |
|  | SureSelect Post- Capture Primer Mix   | No signal word.                                   |
|  | SureSelect XT HS Index Primer A03-H04 | No signal word.                                   |
| <b>Hazard statements</b>               | : End Repair-A Tailing Enzyme Mix     | No known significant effects or critical hazards. |
|  | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |
|  | T4 DNA Ligase                         | No known significant effects or critical hazards. |
|  | Ligation Buffer                       | No known significant effects or critical hazards. |
|  | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |
|  | Forward Primer                        | No known significant effects or critical hazards. |
|  | dNTP Mix                              | No known significant effects or critical hazards. |
|  | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |
|  | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |
|  | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
|  | SureSelect RNase Block                | No known significant effects or critical hazards. |
|  | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
|  | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |
| <b><u>Precautionary statements</u></b> |                                       |   |
| <b>Prevention</b>                      | : End Repair-A Tailing Enzyme Mix     | Not applicable.                                   |
|  | End Repair-A Tailing Buffer           | Not applicable.                                   |
|  | T4 DNA Ligase                         | Not applicable.                                   |
|  | Ligation Buffer                       | Not applicable.                                   |
|  | Adaptor Oligo Mix                     | Not applicable.                                   |
|  | Forward Primer                        | Not applicable.                                   |
|  | dNTP Mix                              | Not applicable.                                   |
|  | Herculase II Fusion DNA Polymerase    | Not applicable.                                   |
|  | 5X Herculase II Reaction Buffer       | Not applicable.                                   |
|  | SureSelect Binding Buffer             | Not applicable.                                   |

## Section 2. Hazard(s) identification

|                 |  |                 |
|-----------------|--|-----------------|
|                 | SureSelect Wash Buffer 1                 | Not applicable. |
|                 | SureSelect Wash Buffer 2                 | Not applicable. |
|                 | SureSelect XT HS Blocker Mix             | Not applicable. |
|                 | SureSelect Fast Hybridization Buffer     | Not applicable. |
|                 | SureSelect RNase Block                   | Not applicable. |
|                 | SureSelect Post- Capture Primer Mix      | Not applicable. |
|                 | SureSelect XT HS Index Primer A03-H04    | Not applicable. |
| <b>Response</b> | : <b>End Repair-A Tailing Enzyme Mix</b> | Not applicable. |
|                 | End Repair-A Tailing Buffer              | Not applicable. |
|                 | T4 DNA Ligase                            | Not applicable. |
|                 | Ligation Buffer                          | Not applicable. |
|                 | Adaptor Oligo Mix                        | Not applicable. |
|                 | Forward Primer                           | Not applicable. |
|                 | dNTP Mix                                 | Not applicable. |
|                 | Herculase II Fusion DNA Polymerase       | Not applicable. |
|                 | 5X Herculase II Reaction Buffer          | Not applicable. |
|                 | SureSelect Binding Buffer                | Not applicable. |
|                 | SureSelect Wash Buffer 1                 | Not applicable. |
|                 | SureSelect Wash Buffer 2                 | Not applicable. |
|                 | SureSelect XT HS Blocker Mix             | Not applicable. |
|                 | SureSelect Fast Hybridization Buffer     | Not applicable. |
|                 | SureSelect RNase Block                   | Not applicable. |
|                 | SureSelect Post- Capture Primer Mix      | Not applicable. |
|                 | SureSelect XT HS Index Primer A03-H04    | Not applicable. |
| <b>Storage</b>  | : <b>End Repair-A Tailing Enzyme Mix</b> | Not applicable. |
|                 | End Repair-A Tailing Buffer              | Not applicable. |
|                 | T4 DNA Ligase                            | Not applicable. |
|                 | Ligation Buffer                          | Not applicable. |
|                 | Adaptor Oligo Mix                        | Not applicable. |
|                 | Forward Primer                           | Not applicable. |
|                 | dNTP Mix                                 | Not applicable. |
|                 | Herculase II Fusion DNA Polymerase       | Not applicable. |
|                 | 5X Herculase II Reaction Buffer          | Not applicable. |
|                 | SureSelect Binding Buffer                | Not applicable. |
|                 | SureSelect Wash Buffer 1                 | Not applicable. |
|                 | SureSelect Wash Buffer 2                 | Not applicable. |
|                 | SureSelect XT HS Blocker Mix             | Not applicable. |
|                 | SureSelect Fast Hybridization Buffer     | Not applicable. |
|                 | SureSelect RNase Block                   | Not applicable. |
|                 | SureSelect Post- Capture Primer Mix      | Not applicable. |
|                 | SureSelect XT HS Index Primer A03-H04    | Not applicable. |

## Section 2. Hazard(s) identification

|  |                                    |                                       |                                 |                 |
|--|------------------------------------|---------------------------------------|---------------------------------|-----------------|
| <b>Disposal</b>  | :                                  | End Repair-A Tailing Enzyme Mix       | Not applicable.                 |                 |
|  |                                    | End Repair-A Tailing Buffer           | Not applicable.                 |                 |
|  |                                    | T4 DNA Ligase                         | Not applicable.                 |                 |
|  |                                    | Ligation Buffer                       | Not applicable.                 |                 |
|  |                                    | Adaptor Oligo Mix                     | Not applicable.                 |                 |
|  |                                    | Forward Primer                        | Not applicable.                 |                 |
|  |                                    | dNTP Mix                              | Not applicable.                 |                 |
|  |                                    | Herculase II Fusion DNA Polymerase    | Not applicable.                 |                 |
|  |                                    | 5X Herculase II Reaction Buffer       | Not applicable.                 |                 |
|  |                                    | SureSelect Binding Buffer             | Not applicable.                 |                 |
|  |                                    | SureSelect Wash Buffer 1              | Not applicable.                 |                 |
|  |                                    | SureSelect Wash Buffer 2              | Not applicable.                 |                 |
|  |                                    | SureSelect XT HS Blocker Mix          | Not applicable.                 |                 |
|  |                                    | SureSelect Fast Hybridization Buffer  | Not applicable.                 |                 |
|  |                                    | SureSelect RNase Block                | Not applicable.                 |                 |
|  |                                    | SureSelect Post- Capture Primer Mix   | Not applicable.                 |                 |
|  |                                    | SureSelect XT HS Index Primer A03-H04 | Not applicable.                 |                 |
|  | <b>Supplemental label elements</b> | :                                     | End Repair-A Tailing Enzyme Mix | Not applicable. |
|  |                                    |                                       | End Repair-A Tailing Buffer     | Not applicable. |
|  |                                    |                                       | T4 DNA Ligase                   | Not applicable. |
|  |                                    | Ligation Buffer                       | Not applicable.                 |                 |
|  |                                    | Adaptor Oligo Mix                     | Not applicable.                 |                 |
|  |                                    | Forward Primer                        | Not applicable.                 |                 |
|  |                                    | dNTP Mix                              | Not applicable.                 |                 |
|  |                                    | Herculase II Fusion DNA Polymerase    | Not applicable.                 |                 |
|  |                                    | 5X Herculase II Reaction Buffer       | Not applicable.                 |                 |
|  |                                    | SureSelect Binding Buffer             | Not applicable.                 |                 |
|  |                                    | SureSelect Wash Buffer 1              | Not applicable.                 |                 |
|  |                                    | SureSelect Wash Buffer 2              | Not applicable.                 |                 |
|  |                                    | SureSelect XT HS Blocker Mix          | Not applicable.                 |                 |
|  |                                    | SureSelect Fast Hybridization Buffer  | Not applicable.                 |                 |
|  |                                    | SureSelect RNase Block                | Not applicable.                 |                 |
|  |                                    | SureSelect Post- Capture Primer Mix   | Not applicable.                 |                 |
|  |                                    | SureSelect XT HS Index Primer A03-H04 | Not applicable.                 |                 |
| <b>Other hazards which do not result in classification</b> |                                    | :                                     | End Repair-A Tailing Enzyme Mix | None known.     |
|  |                                    |                                       | End Repair-A Tailing Buffer     | None known.     |
|  |                                    |                                       | T4 DNA Ligase                   | None known.     |
|  |                                    | Ligation Buffer                       | None known.                     |                 |
|  |                                    | Adaptor Oligo Mix                     | None known.                     |                 |
|  |                                    | Forward Primer                        | None known.                     |                 |
|  |                                    | dNTP Mix                              | None known.                     |                 |
|  |                                    | Herculase II Fusion DNA Polymerase    | None known.                     |                 |
|  |                                    | 5X Herculase II Reaction Buffer       | None known.                     |                 |
|  |                                    | SureSelect Binding Buffer             | None known.                     |                 |

## Section 2. Hazard(s) identification

|                                       |             |
|---------------------------------------|-------------|
| SureSelect Wash Buffer 1              | None known. |
| SureSelect Wash Buffer 2              | None known. |
| SureSelect XT HS Blocker Mix          | None known. |
| SureSelect Fast Hybridization Buffer  | None known. |
| SureSelect RNase Block                | None known. |
| SureSelect Post- Capture Primer Mix   | None known. |
| SureSelect XT HS Index Primer A03-H04 | None known. |

## Section 3. Composition and ingredient information

|                          |   |                                       |         |
|--------------------------|---|---------------------------------------|---------|
| <b>Substance/mixture</b> | : | End Repair-A Tailing Enzyme Mix       | Mixture |
|                          |   | End Repair-A Tailing Buffer           | Mixture |
|                          |   | T4 DNA Ligase                         | Mixture |
|                          |   | Ligation Buffer                       | Mixture |
|                          |   | Adaptor Oligo Mix                     | Mixture |
|                          |   | Forward Primer                        | Mixture |
|                          |   | dNTP Mix                              | Mixture |
|                          |   | Herculase II Fusion DNA Polymerase    | Mixture |
|                          |   | 5X Herculase II Reaction Buffer       | Mixture |
|                          |   | SureSelect Binding Buffer             | Mixture |
|                          |   | SureSelect Wash Buffer 1              | Mixture |
|                          |   | SureSelect Wash Buffer 2              | Mixture |
|                          |   | SureSelect XT HS Blocker Mix          | Mixture |
|                          |   | SureSelect Fast Hybridization Buffer  | Mixture |
|                          |   | SureSelect RNase Block                | Mixture |
|                          |   | SureSelect Post- Capture Primer Mix   | Mixture |
|                          |   | SureSelect XT HS Index Primer A03-H04 | Mixture |

### CAS number/other identifiers

| Ingredient name   | % (w/w)                | CAS number            |
|---|------------------------|-----------------------|
| <b>End Repair-A Tailing Enzyme Mix</b><br>Glycerol        | ≥30 - ≤60              | 56-81-5               |
| <b>T4 DNA Ligase</b><br>Glycerol                          | ≥30 - ≤60              | 56-81-5               |
| <b>Ligation Buffer</b><br>Polyethylene glycol<br>Glycerol | ≥10 - ≤30<br>≥10 - ≤30 | 25322-68-3<br>56-81-5 |
| <b>Herculase II Fusion DNA Polymerase</b><br>Glycerol     | ≥30 - ≤60              | 56-81-5               |
| <b>SureSelect RNase Block</b><br>Glycerol                 | ≥30 - ≤60              | 56-81-5               |

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

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

## Section 4. First aid measures

### Description of necessary first aid measures

|                    |                                      |   |
|--------------------|--------------------------------------|---|
| <b>Eye contact</b> | : End Repair-A Tailing Enzyme 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. |
|                    | End Repair-A Tailing 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. |
|                    | 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. |
|                    | Ligation 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. |
|                    | Adaptor Oligo 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. |
|                    | Forward Primer                       | 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. |
|                    | Herculase II Fusion 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. |
|                    | 5X Herculase II Reaction Buffer      | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
|                    | SureSelect Binding Buffer            | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
|                    | SureSelect Wash Buffer 1             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
|                    | SureSelect Wash Buffer 2             | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
|                    | SureSelect XT HS Blocker Mix         | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
|                    | SureSelect Fast Hybridization Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
|                    | SureSelect RNase Block               | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
|                    | SureSelect Post- Capture Primer Mix  | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  |

## Section 4. First aid measures

### Inhalation

SureSelect XT HS Index  
Primer A03-H04

Check for and remove any contact lenses. Get medical attention if irritation occurs.

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses. Get medical attention if irritation occurs.

: End Repair-A Tailing  
Enzyme Mix

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

End Repair-A Tailing 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.

T4 DNA Ligase

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

Ligation Buffer

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

Adaptor Oligo Mix

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

Forward Primer

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.

Herculase II Fusion DNA  
Polymerase

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

5X Herculase II Reaction  
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.

SureSelect Binding Buffer

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

SureSelect Wash Buffer 1

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

SureSelect Wash Buffer 2

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

SureSelect XT HS Blocker  
Mix

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

SureSelect Fast  
Hybridization 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.

SureSelect RNase Block

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

### Skin contact

|                                       |  |
|---------------------------------------|--|
| SureSelect Post- Capture Primer Mix   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| SureSelect XT HS Index Primer A03-H04 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.  |
| : End Repair-A Tailing Enzyme Mix     | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| End Repair-A Tailing Buffer           | 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. |
| Ligation Buffer                       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Adaptor Oligo Mix                     | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Forward Primer                        | 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. |
| Herculase II Fusion DNA Polymerase    | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| 5X Herculase II Reaction Buffer       | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect Binding Buffer             | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 1              | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 2              | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect XT HS Blocker Mix          | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect Fast Hybridization Buffer  | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect RNase Block                | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect Post- Capture Primer Mix   | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect XT HS Index Primer A03-H04 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |

## Section 4. First aid measures

### Ingestion

|                                    |   |
|------------------------------------|---|
| : End Repair-A Tailing Enzyme Mix  | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| End Repair-A Tailing 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. |
| T4 DNA Ligase                      | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Ligation 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. |
| Adaptor Oligo Mix                  | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Forward Primer                     | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| dNTP Mix                           | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Herculase II Fusion DNA Polymerase | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| 5X Herculase II Reaction 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. |

## Section 4. First aid measures

|                                       |   |
|---------------------------------------|---|
| SureSelect Binding Buffer             | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 1              | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 2              | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect XT HS Blocker Mix          | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Fast Hybridization 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 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 Post- Capture Primer Mix   | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect XT HS Index Primer A03-H04 | 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

## Section 4. First aid measures

|                     |                   |                                       |   |   |
|---------------------|-------------------|---------------------------------------|---|---|
| <b>Eye contact</b>  | :                 | End Repair-A Tailing Enzyme Mix       | No known significant effects or critical hazards. |   |
|                     |                   | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |   |
|                     |                   | T4 DNA Ligase                         | No known significant effects or critical hazards. |   |
|                     |                   | Ligation Buffer                       | No known significant effects or critical hazards. |   |
|                     |                   | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |   |
|                     |                   | Forward Primer                        | No known significant effects or critical hazards. |   |
|                     |                   | dNTP Mix                              | No known significant effects or critical hazards. |   |
|                     |                   | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |   |
|                     |                   | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect RNase Block                | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |   |
|                     | <b>Inhalation</b> | :                                     | End Repair-A Tailing Enzyme Mix                   | No known significant effects or critical hazards. |
|                     |                   |                                       | End Repair-A Tailing Buffer                       | No known significant effects or critical hazards. |
|                     |                   |                                       | T4 DNA Ligase                                     | No known significant effects or critical hazards. |
|                     |                   | Ligation Buffer                       | No known significant effects or critical hazards. |   |
|                     |                   | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |   |
|                     |                   | Forward Primer                        | No known significant effects or critical hazards. |   |
|                     |                   | dNTP Mix                              | No known significant effects or critical hazards. |   |
|                     |                   | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |   |
|                     |                   | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect RNase Block                | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |   |
|                     |                   | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |   |
| <b>Skin contact</b> |                   | :                                     | End Repair-A Tailing Enzyme Mix                   | No known significant effects or critical hazards. |
|                     |                   |                                       | End Repair-A Tailing Buffer                       | No known significant effects or critical hazards. |
|                     |                   |                                       | T4 DNA Ligase                                     | No known significant effects or critical hazards. |
|                     |                   | Ligation Buffer                       | No known significant effects or critical hazards. |   |
|                     |                   | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |   |
|                     |                   | Forward Primer                        | No known significant effects or critical hazards. |   |
|                     |                   | dNTP Mix                              | No known significant effects or critical hazards. |   |
|                     |                   | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |   |
|                     |                   | 5X Herculase II Reaction Buffer       | 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. |   |

## Section 4. First aid measures

### Ingestion

|                                       |   |
|---------------------------------------|---|
| SureSelect Wash Buffer 2              | No known significant effects or critical hazards. |
| SureSelect XT HS Blocker Mix          | No known significant effects or critical hazards. |
| SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
| SureSelect RNase Block                | No known significant effects or critical hazards. |
| SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
| SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |
| End Repair-A Tailing Enzyme Mix       | No known significant effects or critical hazards. |
| End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |
| T4 DNA Ligase                         | No known significant effects or critical hazards. |
| Ligation Buffer                       | No known significant effects or critical hazards. |
| Adaptor Oligo Mix                     | No known significant effects or critical hazards. |
| Forward Primer                        | No known significant effects or critical hazards. |
| dNTP Mix                              | No known significant effects or critical hazards. |
| Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |
| 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |
| SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
| SureSelect RNase Block                | No known significant effects or critical hazards. |
| SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
| SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |

### Over-exposure signs/symptoms

#### Eye contact

|                                       |                   |
|---------------------------------------|-------------------|
| End Repair-A Tailing Enzyme Mix       | No specific data. |
| End Repair-A Tailing Buffer           | No specific data. |
| T4 DNA Ligase                         | No specific data. |
| Ligation Buffer                       | No specific data. |
| Adaptor Oligo Mix                     | No specific data. |
| Forward Primer                        | No specific data. |
| dNTP Mix                              | No specific data. |
| Herculase II Fusion DNA Polymerase    | No specific data. |
| 5X Herculase II Reaction Buffer       | No specific data. |
| SureSelect Binding Buffer             | No specific data. |
| SureSelect Wash Buffer 1              | No specific data. |
| SureSelect Wash Buffer 2              | No specific data. |
| SureSelect XT HS Blocker Mix          | No specific data. |
| SureSelect Fast Hybridization Buffer  | No specific data. |
| SureSelect RNase Block                | No specific data. |
| SureSelect Post- Capture Primer Mix   | No specific data. |
| SureSelect XT HS Index Primer A03-H04 | No specific data. |

## Section 4. First aid measures

|                   |                     |                                       |                                 |                   |
|-------------------|---------------------|---------------------------------------|---------------------------------|-------------------|
| <b>Inhalation</b> | :                   | End Repair-A Tailing Enzyme Mix       | No specific data.               |                   |
|                   |                     | End Repair-A Tailing Buffer           | No specific data.               |                   |
|                   |                     | T4 DNA Ligase                         | No specific data.               |                   |
|                   |                     | Ligation Buffer                       | No specific data.               |                   |
|                   |                     | Adaptor Oligo Mix                     | No specific data.               |                   |
|                   |                     | Forward Primer                        | No specific data.               |                   |
|                   |                     | dNTP Mix                              | No specific data.               |                   |
|                   |                     | Herculase II Fusion DNA Polymerase    | No specific data.               |                   |
|                   |                     | 5X Herculase II Reaction Buffer       | No specific data.               |                   |
|                   |                     | SureSelect Binding Buffer             | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 1              | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 2              | No specific data.               |                   |
|                   |                     | SureSelect XT HS Blocker Mix          | No specific data.               |                   |
|                   |                     | SureSelect Fast Hybridization Buffer  | No specific data.               |                   |
|                   |                     | SureSelect RNase Block                | No specific data.               |                   |
|                   |                     | SureSelect Post- Capture Primer Mix   | No specific data.               |                   |
|                   |                     | SureSelect XT HS Index Primer A03-H04 | No specific data.               |                   |
|                   | <b>Skin contact</b> | :                                     | End Repair-A Tailing Enzyme Mix | No specific data. |
|                   |                     |                                       | End Repair-A Tailing Buffer     | No specific data. |
|                   |                     |                                       | T4 DNA Ligase                   | No specific data. |
|                   |                     | Ligation Buffer                       | No specific data.               |                   |
|                   |                     | Adaptor Oligo Mix                     | No specific data.               |                   |
|                   |                     | Forward Primer                        | No specific data.               |                   |
|                   |                     | dNTP Mix                              | No specific data.               |                   |
|                   |                     | Herculase II Fusion DNA Polymerase    | No specific data.               |                   |
|                   |                     | 5X Herculase II Reaction Buffer       | No specific data.               |                   |
|                   |                     | SureSelect Binding Buffer             | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 1              | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 2              | No specific data.               |                   |
|                   |                     | SureSelect XT HS Blocker Mix          | No specific data.               |                   |
|                   |                     | SureSelect Fast Hybridization Buffer  | No specific data.               |                   |
|                   |                     | SureSelect RNase Block                | No specific data.               |                   |
|                   |                     | SureSelect Post- Capture Primer Mix   | No specific data.               |                   |
|                   |                     | SureSelect XT HS Index Primer A03-H04 | No specific data.               |                   |
| <b>Ingestion</b>  |                     | :                                     | End Repair-A Tailing Enzyme Mix | No specific data. |
|                   |                     |                                       | End Repair-A Tailing Buffer     | No specific data. |
|                   |                     |                                       | T4 DNA Ligase                   | No specific data. |
|                   |                     | Ligation Buffer                       | No specific data.               |                   |
|                   |                     | Adaptor Oligo Mix                     | No specific data.               |                   |
|                   |                     | Forward Primer                        | No specific data.               |                   |
|                   |                     | dNTP Mix                              | No specific data.               |                   |
|                   |                     | Herculase II Fusion DNA Polymerase    | No specific data.               |                   |
|                   |                     | 5X Herculase II Reaction Buffer       | No specific data.               |                   |
|                   |                     | SureSelect Binding Buffer             | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 1              | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 2              | No specific data.               |                   |
|                   |                     | SureSelect XT HS Blocker Mix          | No specific data.               |                   |

## Section 4. First aid measures

|                                       |                   |
|---------------------------------------|-------------------|
| SureSelect Wash Buffer 2              | No specific data. |
| SureSelect XT HS Blocker Mix          | No specific data. |
| SureSelect Fast Hybridization Buffer  | No specific data. |
| SureSelect RNase Block                | No specific data. |
| SureSelect Post- Capture Primer Mix   | No specific data. |
| SureSelect XT HS Index Primer A03-H04 | No specific data. |

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

#### Notes to physician

|                                      |   |
|--------------------------------------|---|
| End Repair-A Tailing Enzyme Mix      | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| End Repair-A Tailing Buffer          | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| T4 DNA Ligase                        | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| Ligation Buffer                      | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| Adaptor Oligo Mix                    | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| Forward Primer                       | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| dNTP Mix                             | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| Herculase II Fusion DNA Polymerase   | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| 5X Herculase II Reaction Buffer      | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| SureSelect Binding Buffer            | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Wash Buffer 1             | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Wash Buffer 2             | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect XT HS Blocker Mix         | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Fast Hybridization Buffer | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| SureSelect RNase Block               | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.   |
| SureSelect Post- Capture Primer Mix  | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been  |

## Section 4. First aid measures

|                                   |                                       |   |
|-----------------------------------|---------------------------------------|---|
|                                   | SureSelect XT HS Index Primer A03-H04 | ingested or inhaled.<br>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| <b>Specific treatments</b>        | : End Repair-A Tailing Enzyme Mix     | No specific treatment.  |
|                                   | End Repair-A Tailing Buffer           | No specific treatment.  |
|                                   | T4 DNA Ligase                         | No specific treatment.  |
|                                   | Ligation Buffer                       | No specific treatment.  |
|                                   | Adaptor Oligo Mix                     | No specific treatment.  |
|                                   | Forward Primer                        | No specific treatment.  |
|                                   | dNTP Mix                              | No specific treatment.  |
|                                   | Herculase II Fusion DNA Polymerase    | No specific treatment.  |
|                                   | 5X Herculase II Reaction Buffer       | No specific treatment.  |
|                                   | SureSelect Binding Buffer             | No specific treatment.  |
|                                   | SureSelect Wash Buffer 1              | No specific treatment.  |
|                                   | SureSelect Wash Buffer 2              | No specific treatment.  |
|                                   | SureSelect XT HS Blocker Mix          | No specific treatment.  |
|                                   | SureSelect Fast Hybridization Buffer  | No specific treatment.  |
|                                   | SureSelect RNase Block                | No specific treatment.  |
|                                   | SureSelect Post- Capture Primer Mix   | No specific treatment.  |
|                                   | SureSelect XT HS Index Primer A03-H04 | No specific treatment.  |
| <b>Protection of first-aiders</b> | : End Repair-A Tailing Enzyme Mix     | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | End Repair-A Tailing Buffer           | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | T4 DNA Ligase                         | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | Ligation Buffer                       | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | Adaptor Oligo Mix                     | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | Forward Primer                        | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | dNTP Mix                              | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | Herculase II Fusion DNA Polymerase    | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | 5X Herculase II Reaction Buffer       | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect Binding Buffer             | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect Wash Buffer 1              | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect Wash Buffer 2              | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect XT HS Blocker Mix          | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect Fast Hybridization Buffer  | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect RNase Block                | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect Post- Capture Primer Mix   | No action shall be taken involving any personal risk or without suitable training.  |
|                                   | SureSelect XT HS Index Primer A03-H04 | No action shall be taken involving any personal risk or without suitable training.  |



## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

|                                       |                                       |   |
|---------------------------------------|---------------------------------------|---|
| <b>Suitable extinguishing media</b>   | : End Repair-A Tailing Enzyme Mix     | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | End Repair-A Tailing Buffer           | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | T4 DNA Ligase                         | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | Ligation Buffer                       | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | Adaptor Oligo Mix                     | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | Forward Primer                        | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | dNTP Mix                              | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | Herculase II Fusion DNA Polymerase    | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | 5X Herculase II Reaction Buffer       | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect Binding Buffer             | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect Wash Buffer 1              | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect Wash Buffer 2              | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect XT HS Blocker Mix          | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect Fast Hybridization Buffer  | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect RNase Block                | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect Post- Capture Primer Mix   | Use an extinguishing agent suitable for the surrounding fire. |
|                                       | SureSelect XT HS Index Primer A03-H04 | Use an extinguishing agent suitable for the surrounding fire. |
| <b>Unsuitable extinguishing media</b> | : End Repair-A Tailing Enzyme Mix     | None known.   |
|                                       | End Repair-A Tailing Buffer           | None known.   |
|                                       | T4 DNA Ligase                         | None known.   |
|                                       | Ligation Buffer                       | None known.   |
|                                       | Adaptor Oligo Mix                     | None known.   |
|                                       | Forward Primer                        | None known.   |
|                                       | dNTP Mix                              | None known.   |
|                                       | Herculase II Fusion DNA Polymerase    | None known.   |
|                                       | 5X Herculase II Reaction Buffer       | None known.   |
|                                       | SureSelect Binding Buffer             | None known.   |
|                                       | SureSelect Wash Buffer 1              | None known.   |
|                                       | SureSelect Wash Buffer 2              | None known.   |
|                                       | SureSelect XT HS Blocker Mix          | None known.   |
|                                       | SureSelect Fast Hybridization Buffer  | None known.   |
|                                       | SureSelect RNase Block                | None known.   |
|                                       | SureSelect Post- Capture Primer Mix   | None known.   |

## Section 5. Firefighting measures

|   |   |  |
|---|---|--|
|   | SureSelect XT HS Index<br>Primer A03-H04  | None known.  |
| <b>Specific hazards arising from the chemical</b> | <ul style="list-style-type: none"> <li>: End Repair-A Tailing Enzyme Mix</li> <li>End Repair-A Tailing Buffer</li> <li>T4 DNA Ligase</li> <li>Ligation Buffer</li> <li>Adaptor Oligo Mix</li> <li>Forward Primer</li> <li>dNTP Mix</li> <li>Herculase II Fusion DNA Polymerase</li> <li>5X Herculase II Reaction Buffer</li> <li>SureSelect Binding Buffer</li> <li>SureSelect Wash Buffer 1</li> <li>SureSelect Wash Buffer 2</li> <li>SureSelect XT HS Blocker Mix</li> <li>SureSelect Fast Hybridization Buffer</li> <li>SureSelect RNase Block</li> <li>SureSelect Post- Capture Primer Mix</li> <li>SureSelect XT HS Index Primer A03-H04</li> </ul> | <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> <p>In a fire or if heated, a pressure increase will occur and the container may burst.</p> |
| <b>Hazardous thermal decomposition products</b>   | <ul style="list-style-type: none"> <li>: End Repair-A Tailing Enzyme Mix</li> <li>End Repair-A Tailing Buffer</li> <li>T4 DNA Ligase</li> <li>Ligation Buffer</li> <li>Adaptor Oligo Mix</li> <li>Forward Primer</li> <li>dNTP Mix</li> </ul>   | <p>Decomposition products may include the following materials:<br/>carbon dioxide<br/>carbon monoxide</p> <p>Decomposition products may include the following materials:<br/>carbon dioxide<br/>carbon monoxide<br/>nitrogen oxides<br/>halogenated compounds<br/>metal oxide/oxides</p> <p>Decomposition products may include the following materials:<br/>carbon dioxide<br/>carbon monoxide</p> <p>Decomposition products may include the following materials:<br/>carbon dioxide<br/>carbon monoxide</p> <p>No specific data.</p> <p>No specific data.</p> <p>Decomposition products may include the following materials:<br/>carbon dioxide<br/>carbon monoxide</p>   |

## Section 5. Firefighting measures

|   |   |
|---|---|
| Herculase II Fusion DNA Polymerase                  | nitrogen oxides<br>phosphorus oxides<br>Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
| 5X Herculase II Reaction Buffer                     | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>sulfur oxides<br>metal oxide/oxides                                  |
| SureSelect Binding Buffer                           | Decomposition products may include the following materials:<br>halogenated compounds<br>metal oxide/oxides  |
| SureSelect Wash Buffer 1                            | No specific data.   |
| SureSelect Wash Buffer 2                            | No specific data.   |
| SureSelect XT HS Blocker Mix                        | No specific data.   |
| SureSelect Fast Hybridization Buffer                | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>nitrogen oxides<br>halogenated compounds<br>metal oxide/oxides                          |
| SureSelect RNase Block                              | Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide  |
| SureSelect Post- Capture Primer Mix                 | No specific data.   |
| SureSelect XT HS Index Primer A03-H04               | No specific data.   |
| <b>Special protective actions for fire-fighters</b> |   |
| : End Repair-A Tailing Enzyme 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. |
| End Repair-A Tailing 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. |
| 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. |
| Ligation 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. |
| Adaptor Oligo 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. |
| Forward Primer                                      | 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   |

## Section 5. Firefighting measures

|   |   |
|---|---|
| Herculase II Fusion DNA Polymerase                    | action shall be taken involving any personal risk or without suitable training. 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 Herculase II Reaction Buffer                       | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect Binding Buffer                             | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect Wash Buffer 1                              | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect Wash Buffer 2                              | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect XT HS Blocker Mix                          | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect Fast Hybridization Buffer                  | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect RNase Block                                | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect Post- Capture Primer Mix                   | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |
| SureSelect XT HS Index Primer A03-H04                 | 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.   |
| <b>Special protective equipment for fire-fighters</b> |   |
| : End Repair-A Tailing Enzyme Mix                     | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| End Repair-A Tailing Buffer                           | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| T4 DNA Ligase   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| Ligation Buffer                                       | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| Adaptor Oligo Mix                                     | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| Forward Primer  | Fire-fighters should wear appropriate protective  |

## Section 5. Firefighting measures

|                                       |   |
|---------------------------------------|---|
| dNTP Mix                              | equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.<br>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Herculase II Fusion DNA Polymerase    | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| 5X Herculase II Reaction Buffer       | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect Binding Buffer             | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect Wash Buffer 1              | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect Wash Buffer 2              | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect XT HS Blocker Mix          | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect Fast Hybridization Buffer  | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect RNase Block                | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect Post- Capture Primer Mix   | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |
| SureSelect XT HS Index Primer A03-H04 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.   |

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                                    |                                   |   |
|------------------------------------|-----------------------------------|---|
| <b>For non-emergency personnel</b> | : End Repair-A Tailing Enzyme 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. |
|                                    | End Repair-A Tailing 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**

|                                    |   |
|------------------------------------|---|
| T4 DNA Ligase                      | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| Ligation 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. |
| Adaptor Oligo 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. |
| Forward Primer                     | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| dNTP Mix                           | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| Herculase II Fusion DNA Polymerase | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| 5X Herculase II Reaction 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 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 XT HS Blocker Mix       | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected   |

## Section 6. Accidental release measures

SureSelect Fast  
Hybridization Buffer

personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

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 Post- Capture  
Primer 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 HS Index  
Primer A03-H04

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 :** End Repair-A Tailing  
Enzyme 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".

End Repair-A Tailing 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".

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".

Ligation 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".

Adaptor Oligo 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".

Forward Primer

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".

Herculase II Fusion 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".

5X Herculase II Reaction  
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

|                                       |   |
|---------------------------------------|---|
| 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 XT HS Blocker 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 Fast Hybridization 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 RNase Block                | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Post- Capture Primer 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 HS Index Primer A03-H04 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

|                                    |                                 |   |
|------------------------------------|---------------------------------|---|
| <b>Environmental precautions</b> : | End Repair-A Tailing Enzyme Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | End Repair-A Tailing Buffer     | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | T4 DNA Ligase                   | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | Ligation Buffer                 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | Adaptor Oligo Mix               | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
|                                    | Forward Primer                  | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |



## Section 6. Accidental release measures

|                                       |   |
|---------------------------------------|---|
| dNTP Mix                              | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Herculase II Fusion DNA Polymerase    | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| 5X Herculase II Reaction Buffer       | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Binding Buffer             | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Wash Buffer 1              | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Wash Buffer 2              | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect XT HS Blocker Mix          | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Fast Hybridization Buffer  | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect RNase Block                | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Post- Capture Primer Mix   | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect XT HS Index Primer A03-H04 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

### [Methods and material for containment and cleaning up](#)

## Section 6. Accidental release measures

|                                |   |                                    |   |
|--------------------------------|---|------------------------------------|---|
| <b>Methods for cleaning up</b> | : | End Repair-A Tailing Enzyme 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. |
|                                |   | End Repair-A Tailing 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. |
|                                |   | 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. |
|                                |   | Ligation 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. |
|                                |   | Adaptor Oligo 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. |
|                                |   | Forward Primer                     | 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. |
|                                |   | Herculase II Fusion 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. |
|                                |   | 5X Herculase II Reaction 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 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   |

## Section 6. Accidental release measures

|                                       |   |
|---------------------------------------|---|
|                                       | 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 XT HS Blocker 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. |
| SureSelect Fast Hybridization 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 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. Dispose of via a licensed waste disposal contractor. |
| SureSelect Post- Capture Primer 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. |
| SureSelect XT HS Index Primer A03-H04 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

|                                    |   |
|------------------------------------|---|
| End Repair-A Tailing Enzyme Mix    | Put on appropriate personal protective equipment (see Section 8). |
| End Repair-A Tailing Buffer        | Put on appropriate personal protective equipment (see Section 8). |
| T4 DNA Ligase                      | Put on appropriate personal protective equipment (see Section 8). |
| Ligation Buffer                    | Put on appropriate personal protective equipment (see Section 8). |
| Adaptor Oligo Mix                  | Put on appropriate personal protective equipment (see Section 8). |
| Forward Primer                     | Put on appropriate personal protective equipment (see Section 8). |
| dNTP Mix                           | Put on appropriate personal protective equipment (see Section 8). |
| Herculase II Fusion DNA Polymerase | Put on appropriate personal protective equipment (see Section 8). |
| 5X Herculase II Reaction Buffer    | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Binding Buffer          | Put on appropriate personal protective equipment (see Section 8). |

## Section 7. Handling and storage

### Advice on general occupational hygiene

|                                       |   |
|---------------------------------------|---|
| SureSelect Wash Buffer 1              | Put on appropriate personal protective equipment (see Section 8).   |
| SureSelect Wash Buffer 2              | Put on appropriate personal protective equipment (see Section 8).   |
| SureSelect XT HS Blocker Mix          | Put on appropriate personal protective equipment (see Section 8).   |
| SureSelect Fast Hybridization Buffer  | Put on appropriate personal protective equipment (see Section 8).   |
| SureSelect RNase Block                | Put on appropriate personal protective equipment (see Section 8).   |
| SureSelect Post- Capture Primer Mix   | Put on appropriate personal protective equipment (see Section 8).   |
| SureSelect XT HS Index Primer A03-H04 | Put on appropriate personal protective equipment (see Section 8).   |
| : End Repair-A Tailing Enzyme Mix     | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| End Repair-A Tailing 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. |
| 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. |
| Ligation 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. |
| Adaptor Oligo Mix                     | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Forward Primer                        | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| dNTP Mix                              | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

## Section 7. Handling and storage

|                                      |   |
|--------------------------------------|---|
| Herculase II Fusion 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. |
| 5X Herculase II Reaction Buffer      | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Binding Buffer            | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Wash Buffer 1             | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Wash Buffer 2             | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect XT HS Blocker Mix         | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Fast Hybridization Buffer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect RNase Block               | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Post- Capture Primer Mix  | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

## Section 7. Handling and storage

SureSelect XT HS Index Primer A03-H04

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : End Repair-A Tailing Enzyme 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.

End Repair-A Tailing 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.

T4 DNA Ligase

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

Ligation 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.

Adaptor Oligo 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.

## Section 7. Handling and storage

|                                    |   |
|------------------------------------|---|
| Forward Primer                     | 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. |
| Herculase II Fusion 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. |
| 5X Herculase II Reaction 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 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           | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled   |

## Section 7. Handling and storage

|                                       |   |
|---------------------------------------|---|
| SureSelect Wash Buffer 2              | 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. |
| SureSelect XT HS Blocker 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.   |
| SureSelect Fast Hybridization 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 RNase Block                | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.   |
| SureSelect Post- Capture Primer 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.   |
| SureSelect XT HS Index Primer A03-H04 | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until  |



## Section 7. Handling and storage

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

### Control parameters

#### Occupational exposure limits

| Ingredient name                                       | Exposure limits  |
|---|--|
| <b>End Repair-A Tailing Enzyme Mix</b><br>Glycerol    | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.  |
| <b>T4 DNA Ligase</b><br>Glycerol                      | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.  |
| <b>Ligation Buffer</b><br>Polyethylene glycol         | <b>DFG MAC-values list (Germany, 7/2015).</b><br>PEAK: 8000 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. Form: Inhalable fraction<br>TWA: 1000 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction |
| Glycerol  | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.  |
| <b>Herculase II Fusion DNA Polymerase</b><br>Glycerol | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.  |
| <b>SureSelect RNase Block</b><br>Glycerol             | <b>Safe Work Australia (Australia, 1/2014).</b><br>TWA: 10 mg/m <sup>3</sup> 8 hours.  |

**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

## Section 8. Exposure controls and personal 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.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

|                                      |                                       |                                   |                |
|--------------------------------------|---------------------------------------|-----------------------------------|----------------|
| <b>Physical state</b>                | : End Repair-A Tailing Enzyme Mix     | Liquid.                           |                |
|                                      | End Repair-A Tailing Buffer           | Liquid.                           |                |
|                                      | T4 DNA Ligase                         | Liquid.                           |                |
|                                      | Ligation Buffer                       | Liquid.                           |                |
|                                      | Adaptor Oligo Mix                     | Liquid.                           |                |
|                                      | Forward Primer                        | Liquid.                           |                |
|                                      | dNTP Mix                              | Liquid.                           |                |
|                                      | Herculase II Fusion DNA Polymerase    | Liquid.                           |                |
|                                      | 5X Herculase II Reaction Buffer       | Liquid.                           |                |
|                                      | SureSelect Binding Buffer             | Liquid.                           |                |
|                                      | SureSelect Wash Buffer 1              | Liquid.                           |                |
|                                      | SureSelect Wash Buffer 2              | Liquid.                           |                |
|                                      | SureSelect XT HS Blocker Mix          | Liquid.                           |                |
|                                      | SureSelect Fast Hybridization Buffer  | Liquid.                           |                |
|                                      | SureSelect RNase Block                | Liquid.                           |                |
|                                      | SureSelect Post- Capture Primer Mix   | Liquid.                           |                |
|                                      | SureSelect XT HS Index Primer A03-H04 | Liquid.                           |                |
|                                      | <b>Colour</b>                         | : End Repair-A Tailing Enzyme Mix | Not available. |
|                                      |                                       | End Repair-A Tailing Buffer       | Not available. |
|                                      |                                       | T4 DNA Ligase                     | Not available. |
| Ligation Buffer                      |                                       | Not available.                    |                |
| Adaptor Oligo Mix                    |                                       | Not available.                    |                |
| Forward Primer                       |                                       | Not available.                    |                |
| dNTP Mix                             |                                       | Not available.                    |                |
| Herculase II Fusion DNA Polymerase   |                                       | Not available.                    |                |
| 5X Herculase II Reaction Buffer      |                                       | Not available.                    |                |
| SureSelect Binding Buffer            |                                       | Not available.                    |                |
| SureSelect Wash Buffer 1             |                                       | Not available.                    |                |
| SureSelect Wash Buffer 2             |                                       | Not available.                    |                |
| SureSelect XT HS Blocker Mix         |                                       | Not available.                    |                |
| SureSelect Fast Hybridization Buffer |                                       | Not available.                    |                |
| SureSelect RNase Block               |                                       | Not available.                    |                |
| SureSelect Post- Capture             | Not available.                        |                                   |                |

## Section 9. Physical and chemical properties

|                        |                             |                |
|------------------------|-----------------------------|----------------|
|                        | Primer Mix                  |                |
|                        | SureSelect XT HS Index      | Not available. |
|                        | Primer A03-H04              |                |
| <b>Odour</b>           | : End Repair-A Tailing      | Not available. |
|                        | Enzyme Mix                  |                |
|                        | End Repair-A Tailing Buffer | Not available. |
|                        | T4 DNA Ligase               | Not available. |
|                        | Ligation Buffer             | Not available. |
|                        | Adaptor Oligo Mix           | Not available. |
|                        | Forward Primer              | Not available. |
|                        | dNTP Mix                    | Not available. |
|                        | Herculase II Fusion DNA     | Not available. |
|                        | Polymerase                  |                |
|                        | 5X Herculase II Reaction    | Not available. |
|                        | Buffer                      |                |
|                        | SureSelect Binding Buffer   | Not available. |
|                        | SureSelect Wash Buffer 1    | Not available. |
|                        | SureSelect Wash Buffer 2    | Not available. |
|                        | SureSelect XT HS Blocker    | Not available. |
|                        | Mix                         |                |
|                        | SureSelect Fast             | Not available. |
|                        | Hybridization Buffer        |                |
|                        | SureSelect RNase Block      | Not available. |
|                        | SureSelect Post- Capture    | Not available. |
|                        | Primer Mix                  |                |
|                        | SureSelect XT HS Index      | Not available. |
|                        | Primer A03-H04              |                |
| <b>Odour threshold</b> | : End Repair-A Tailing      | Not available. |
|                        | Enzyme Mix                  |                |
|                        | End Repair-A Tailing Buffer | Not available. |
|                        | T4 DNA Ligase               | Not available. |
|                        | Ligation Buffer             | Not available. |
|                        | Adaptor Oligo Mix           | Not available. |
|                        | Forward Primer              | Not available. |
|                        | dNTP Mix                    | Not available. |
|                        | Herculase II Fusion DNA     | Not available. |
|                        | Polymerase                  |                |
|                        | 5X Herculase II Reaction    | Not available. |
|                        | Buffer                      |                |
|                        | SureSelect Binding Buffer   | Not available. |
|                        | SureSelect Wash Buffer 1    | Not available. |
|                        | SureSelect Wash Buffer 2    | Not available. |
|                        | SureSelect XT HS Blocker    | Not available. |
|                        | Mix                         |                |
|                        | SureSelect Fast             | Not available. |
|                        | Hybridization Buffer        |                |
|                        | SureSelect RNase Block      | Not available. |
|                        | SureSelect Post- Capture    | Not available. |
|                        | Primer Mix                  |                |
|                        | SureSelect XT HS Index      | Not available. |
|                        | Primer A03-H04              |                |
| <b>pH</b>              | : End Repair-A Tailing      | 6.5            |
|                        | Enzyme Mix                  |                |
|                        | End Repair-A Tailing Buffer | 8              |
|                        | T4 DNA Ligase               | 7.5            |
|                        | Ligation Buffer             | 8              |
|                        | Adaptor Oligo Mix           | 7.5            |
|                        | Forward Primer              | 7.5            |
|                        | dNTP Mix                    | 7.5            |
|                        | Herculase II Fusion DNA     | 8.2            |
|                        | Polymerase                  |                |
|                        | 5X Herculase II Reaction    | 10             |

## Section 9. Physical and chemical properties

|                      |                             |                |
|----------------------|-----------------------------|----------------|
|                      | Buffer                      |                |
|                      | SureSelect Binding Buffer   | 7.5            |
|                      | SureSelect Wash Buffer 1    | 7              |
|                      | SureSelect Wash Buffer 2    | 7              |
|                      | SureSelect XT HS Blocker    | 7.5            |
|                      | Mix                         |                |
|                      | SureSelect Fast             | Not available. |
|                      | Hybridization Buffer        |                |
|                      | SureSelect RNase Block      | 7.6            |
|                      | SureSelect Post- Capture    | 7.5            |
|                      | Primer Mix                  |                |
|                      | SureSelect XT HS Index      | 7.5            |
|                      | Primer A03-H04              |                |
| <b>Melting point</b> | : End Repair-A Tailing      | Not available. |
|                      | Enzyme Mix                  |                |
|                      | End Repair-A Tailing Buffer | 0°C (32°F)     |
|                      | T4 DNA Ligase               | Not available. |
|                      | Ligation Buffer             | Not available. |
|                      | Adaptor Oligo Mix           | 0°C (32°F)     |
|                      | Forward Primer              | 0°C (32°F)     |
|                      | dNTP Mix                    | Not available. |
|                      | Herculase II Fusion DNA     | Not available. |
|                      | Polymerase                  |                |
|                      | 5X Herculase II Reaction    | Not available. |
|                      | Buffer                      |                |
|                      | SureSelect Binding Buffer   | Not available. |
|                      | SureSelect Wash Buffer 1    | 0°C (32°F)     |
|                      | SureSelect Wash Buffer 2    | 0°C (32°F)     |
|                      | SureSelect XT HS Blocker    | 0°C (32°F)     |
|                      | Mix                         |                |
|                      | SureSelect Fast             | Not available. |
|                      | Hybridization Buffer        |                |
|                      | SureSelect RNase Block      | Not available. |
|                      | SureSelect Post- Capture    | 0°C (32°F)     |
|                      | Primer Mix                  |                |
|                      | SureSelect XT HS Index      | 0°C (32°F)     |
|                      | Primer A03-H04              |                |
| <b>Boiling point</b> | : End Repair-A Tailing      | Not available. |
|                      | Enzyme Mix                  |                |
|                      | End Repair-A Tailing Buffer | 100°C (212°F)  |
|                      | T4 DNA Ligase               | Not available. |
|                      | Ligation Buffer             | Not available. |
|                      | Adaptor Oligo Mix           | 100°C (212°F)  |
|                      | Forward Primer              | 100°C (212°F)  |
|                      | dNTP Mix                    | Not available. |
|                      | Herculase II Fusion DNA     | Not available. |
|                      | Polymerase                  |                |
|                      | 5X Herculase II Reaction    | Not available. |
|                      | Buffer                      |                |
|                      | SureSelect Binding Buffer   | Not available. |
|                      | SureSelect Wash Buffer 1    | 100°C (212°F)  |
|                      | SureSelect Wash Buffer 2    | 100°C (212°F)  |
|                      | SureSelect XT HS Blocker    | 100°C (212°F)  |
|                      | Mix                         |                |
|                      | SureSelect Fast             | Not available. |
|                      | Hybridization Buffer        |                |
|                      | SureSelect RNase Block      | Not available. |
|                      | SureSelect Post- Capture    | 100°C (212°F)  |
|                      | Primer Mix                  |                |
|                      | SureSelect XT HS Index      | 100°C (212°F)  |
|                      | Primer A03-H04              |                |

## Section 9. Physical and chemical properties

|                                  |                         |                                       |                                 |                 |
|----------------------------------|-------------------------|---------------------------------------|---------------------------------|-----------------|
| <b>Flash point</b>               | :                       | End Repair-A Tailing Enzyme Mix       | Not available.                  |                 |
|                                  |                         | End Repair-A Tailing Buffer           | Not available.                  |                 |
|                                  |                         | T4 DNA Ligase                         | Not available.                  |                 |
|                                  |                         | Ligation Buffer                       | Not available.                  |                 |
|                                  |                         | Adaptor Oligo Mix                     | Not available.                  |                 |
|                                  |                         | Forward Primer                        | Not available.                  |                 |
|                                  |                         | dNTP Mix                              | Not available.                  |                 |
|                                  |                         | Herculase II Fusion DNA Polymerase    | Not available.                  |                 |
|                                  |                         | 5X Herculase II Reaction Buffer       | Not available.                  |                 |
|                                  |                         | SureSelect Binding Buffer             | Not available.                  |                 |
|                                  |                         | SureSelect Wash Buffer 1              | Not available.                  |                 |
|                                  |                         | SureSelect Wash Buffer 2              | Not available.                  |                 |
|                                  |                         | SureSelect XT HS Blocker Mix          | Not available.                  |                 |
|                                  |                         | SureSelect Fast Hybridization Buffer  | Not available.                  |                 |
|                                  |                         | SureSelect RNase Block                | Not available.                  |                 |
|                                  |                         | SureSelect Post- Capture Primer Mix   | Not available.                  |                 |
|                                  |                         | SureSelect XT HS Index Primer A03-H04 | Not available.                  |                 |
|                                  | <b>Evaporation rate</b> | :                                     | End Repair-A Tailing Enzyme Mix | Not available.  |
|                                  |                         |                                       | End Repair-A Tailing Buffer     | Not available.  |
|                                  |                         |                                       | T4 DNA Ligase                   | Not available.  |
|                                  |                         | Ligation Buffer                       | Not available.                  |                 |
|                                  |                         | Adaptor Oligo Mix                     | Not available.                  |                 |
|                                  |                         | Forward Primer                        | Not available.                  |                 |
|                                  |                         | dNTP Mix                              | Not available.                  |                 |
|                                  |                         | Herculase II Fusion DNA Polymerase    | Not available.                  |                 |
|                                  |                         | 5X Herculase II Reaction Buffer       | Not available.                  |                 |
|                                  |                         | SureSelect Binding Buffer             | Not available.                  |                 |
|                                  |                         | SureSelect Wash Buffer 1              | Not available.                  |                 |
|                                  |                         | SureSelect Wash Buffer 2              | Not available.                  |                 |
|                                  |                         | SureSelect XT HS Blocker Mix          | Not available.                  |                 |
|                                  |                         | SureSelect Fast Hybridization Buffer  | Not available.                  |                 |
|                                  |                         | SureSelect RNase Block                | Not available.                  |                 |
|                                  |                         | SureSelect Post- Capture Primer Mix   | Not available.                  |                 |
|                                  |                         | SureSelect XT HS Index Primer A03-H04 | Not available.                  |                 |
| <b>Flammability (solid, gas)</b> |                         | :                                     | End Repair-A Tailing Enzyme Mix | Not applicable. |
|                                  |                         |                                       | End Repair-A Tailing Buffer     | Not applicable. |
|                                  |                         |                                       | T4 DNA Ligase                   | Not applicable. |
|                                  |                         | Ligation Buffer                       | Not applicable.                 |                 |
|                                  |                         | Adaptor Oligo Mix                     | Not applicable.                 |                 |
|                                  |                         | Forward Primer                        | Not applicable.                 |                 |
|                                  |                         | dNTP Mix                              | Not applicable.                 |                 |
|                                  |                         | Herculase II Fusion DNA Polymerase    | Not applicable.                 |                 |
|                                  |                         | 5X Herculase II Reaction Buffer       | Not applicable.                 |                 |
|                                  |                         | SureSelect Binding Buffer             | Not applicable.                 |                 |
|                                  |                         | SureSelect Wash Buffer 1              | Not applicable.                 |                 |
|                                  |                         | SureSelect Wash Buffer 2              | Not applicable.                 |                 |
|                                  |                         | SureSelect XT HS Blocker Mix          | Not applicable.                 |                 |
|                                  |                         | SureSelect Fast Hybridization Buffer  | Not applicable.                 |                 |
|                                  | SureSelect RNase Block  | Not applicable.                       |                                 |                 |

## Section 9. Physical and chemical properties

|   |                                       |                 |
|---|---------------------------------------|-----------------|
|   | SureSelect Wash Buffer 2              | Not applicable. |
|   | SureSelect XT HS Blocker Mix          | Not applicable. |
|   | SureSelect Fast Hybridization Buffer  | Not applicable. |
|   | SureSelect RNase Block                | Not applicable. |
|   | SureSelect Post- Capture Primer Mix   | Not applicable. |
|   | SureSelect XT HS Index Primer A03-H04 | Not applicable. |
| <b>Lower and upper explosive (flammable) limits</b> | : End Repair-A Tailing Enzyme Mix     | Not available.  |
|   | End Repair-A Tailing Buffer           | Not available.  |
|   | T4 DNA Ligase                         | Not available.  |
|   | Ligation Buffer                       | Not available.  |
|   | Adaptor Oligo Mix                     | Not available.  |
|   | Forward Primer                        | Not available.  |
|   | dNTP Mix                              | Not available.  |
|   | Herculase II Fusion DNA Polymerase    | Not available.  |
|   | 5X Herculase II Reaction Buffer       | Not available.  |
|   | SureSelect Binding Buffer             | Not available.  |
|   | SureSelect Wash Buffer 1              | Not available.  |
|   | SureSelect Wash Buffer 2              | Not available.  |
|   | SureSelect XT HS Blocker Mix          | Not available.  |
|   | SureSelect Fast Hybridization Buffer  | Not available.  |
|   | SureSelect RNase Block                | Not available.  |
|   | SureSelect Post- Capture Primer Mix   | Not available.  |
|   | SureSelect XT HS Index Primer A03-H04 | Not available.  |
| <b>Vapour pressure</b>                              | : End Repair-A Tailing Enzyme Mix     | Not available.  |
|   | End Repair-A Tailing Buffer           | Not available.  |
|   | T4 DNA Ligase                         | Not available.  |
|   | Ligation Buffer                       | Not available.  |
|   | Adaptor Oligo Mix                     | Not available.  |
|   | Forward Primer                        | Not available.  |
|   | dNTP Mix                              | Not available.  |
|   | Herculase II Fusion DNA Polymerase    | Not available.  |
|   | 5X Herculase II Reaction Buffer       | Not available.  |
|   | SureSelect Binding Buffer             | Not available.  |
|   | SureSelect Wash Buffer 1              | Not available.  |
|   | SureSelect Wash Buffer 2              | Not available.  |
|   | SureSelect XT HS Blocker Mix          | Not available.  |
|   | SureSelect Fast Hybridization Buffer  | Not available.  |
|   | SureSelect RNase Block                | Not available.  |
|   | SureSelect Post- Capture Primer Mix   | Not available.  |
|   | SureSelect XT HS Index Primer A03-H04 | Not available.  |
| <b>Vapour density</b>                               | :                                     |                 |

## Section 9. Physical and chemical properties

|                         |                                       |  |
|-------------------------|---------------------------------------|--|
|                         | End Repair-A Tailing Enzyme Mix       | Not available.   |
|                         | End Repair-A Tailing Buffer           | Not available.   |
|                         | T4 DNA Ligase                         | Not available.   |
|                         | Ligation Buffer                       | Not available.   |
|                         | Adaptor Oligo Mix                     | Not available.   |
|                         | Forward Primer                        | Not available.   |
|                         | dNTP Mix                              | Not available.   |
|                         | Herculase II Fusion DNA Polymerase    | Not available.   |
|                         | 5X Herculase II Reaction Buffer       | Not available.   |
|                         | SureSelect Binding Buffer             | Not available.   |
|                         | SureSelect Wash Buffer 1              | Not available.   |
|                         | SureSelect Wash Buffer 2              | Not available.   |
|                         | SureSelect XT HS Blocker Mix          | Not available.   |
|                         | SureSelect Fast Hybridization Buffer  | Not available.   |
|                         | SureSelect RNase Block                | Not available.   |
|                         | SureSelect Post- Capture Primer Mix   | Not available.   |
|                         | SureSelect XT HS Index Primer A03-H04 | Not available.   |
| <b>Relative density</b> | : End Repair-A Tailing Enzyme Mix     | Not available.   |
|                         | End Repair-A Tailing Buffer           | Not available.   |
|                         | T4 DNA Ligase                         | Not available.   |
|                         | Ligation Buffer                       | Not available.   |
|                         | Adaptor Oligo Mix                     | Not available.   |
|                         | Forward Primer                        | Not available.   |
|                         | dNTP Mix                              | Not available.   |
|                         | Herculase II Fusion DNA Polymerase    | Not available.   |
|                         | 5X Herculase II Reaction Buffer       | Not available.   |
|                         | SureSelect Binding Buffer             | Not available.   |
|                         | SureSelect Wash Buffer 1              | Not available.   |
|                         | SureSelect Wash Buffer 2              | Not available.   |
|                         | SureSelect XT HS Blocker Mix          | Not available.   |
|                         | SureSelect Fast Hybridization Buffer  | Not available.   |
|                         | SureSelect RNase Block                | Not available.   |
|                         | SureSelect Post- Capture Primer Mix   | Not available.   |
|                         | SureSelect XT HS Index Primer A03-H04 | Not available.   |
| <b>Solubility</b>       | : End Repair-A Tailing Enzyme Mix     | Soluble in the following materials: cold water and hot water.        |
|                         | End Repair-A Tailing Buffer           | Easily soluble in the following materials: cold water and hot water. |
|                         | T4 DNA Ligase                         | Soluble in the following materials: cold water and hot water.        |
|                         | Ligation Buffer                       | Soluble in the following materials: cold water and hot water.        |
|                         | Adaptor Oligo Mix                     | Easily soluble in the following materials: cold water and hot water. |
|                         | Forward Primer                        | Easily 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

|   |                                       |  |
|---|---------------------------------------|--|
|   | Herculase II Fusion DNA Polymerase    | Soluble in the following materials: cold water and hot water.        |
|   | 5X Herculase II Reaction Buffer       | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Binding Buffer             | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Wash Buffer 1              | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Wash Buffer 2              | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect XT HS Blocker Mix          | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect Fast Hybridization Buffer  | Soluble in the following materials: cold water and hot water.        |
|   | SureSelect RNase Block                | Soluble in the following materials: cold water and hot water.        |
|   | SureSelect Post- Capture Primer Mix   | Easily soluble in the following materials: cold water and hot water. |
|   | SureSelect XT HS Index Primer A03-H04 | Easily soluble in the following materials: cold water and hot water. |
| <b>Partition coefficient: n-octanol/water</b> | : End Repair-A Tailing Enzyme Mix     | Not available.   |
|   | End Repair-A Tailing Buffer           | Not available.   |
|   | T4 DNA Ligase                         | Not available.   |
|   | Ligation Buffer                       | Not available.   |
|   | Adaptor Oligo Mix                     | Not available.   |
|   | Forward Primer                        | Not available.   |
|   | dNTP Mix                              | Not available.   |
|   | Herculase II Fusion DNA Polymerase    | Not available.   |
|   | 5X Herculase II Reaction Buffer       | Not available.   |
|   | SureSelect Binding Buffer             | Not available.   |
|   | SureSelect Wash Buffer 1              | Not available.   |
|   | SureSelect Wash Buffer 2              | Not available.   |
|   | SureSelect XT HS Blocker Mix          | Not available.   |
|   | SureSelect Fast Hybridization Buffer  | Not available.   |
|   | SureSelect RNase Block                | Not available.   |
|   | SureSelect Post- Capture Primer Mix   | Not available.   |
|   | SureSelect XT HS Index Primer A03-H04 | Not available.   |
| <b>Auto-ignition temperature</b>              | : End Repair-A Tailing Enzyme Mix     | Not available.   |
|   | End Repair-A Tailing Buffer           | Not available.   |
|   | T4 DNA Ligase                         | Not available.   |
|   | Ligation Buffer                       | Not available.   |
|   | Adaptor Oligo Mix                     | Not available.   |
|   | Forward Primer                        | Not available.   |
|   | dNTP Mix                              | Not available.   |
|   | Herculase II Fusion DNA Polymerase    | Not available.   |
|   | 5X Herculase II Reaction Buffer       | Not available.   |
|   | SureSelect Binding Buffer             | Not available.   |
|   | SureSelect Wash Buffer 1              | Not available.   |
|   | SureSelect Wash Buffer 2              | Not available.   |
|   | SureSelect XT HS Blocker Mix          | Not available.   |
|   | SureSelect Fast Hybridization Buffer  | Not available.   |



## Section 9. Physical and chemical properties

|                                  |  |                |
|----------------------------------|--|----------------|
|                                  | SureSelect RNase Block                   | Not available. |
|                                  | SureSelect Post- Capture<br>Primer Mix   | Not available. |
|                                  | SureSelect XT HS Index<br>Primer A03-H04 | Not available. |
| <b>Decomposition temperature</b> | : End Repair-A Tailing<br>Enzyme Mix     | Not available. |
|                                  | End Repair-A Tailing Buffer              | Not available. |
|                                  | T4 DNA Ligase                            | Not available. |
|                                  | Ligation Buffer                          | Not available. |
|                                  | Adaptor Oligo Mix                        | Not available. |
|                                  | Forward Primer                           | Not available. |
|                                  | dNTP Mix                                 | Not available. |
|                                  | Herculase II Fusion DNA<br>Polymerase    | Not available. |
|                                  | 5X Herculase II Reaction<br>Buffer       | Not available. |
|                                  | SureSelect Binding Buffer                | Not available. |
|                                  | SureSelect Wash Buffer 1                 | Not available. |
|                                  | SureSelect Wash Buffer 2                 | Not available. |
|                                  | SureSelect XT HS Blocker<br>Mix          | Not available. |
|                                  | SureSelect Fast<br>Hybridization Buffer  | Not available. |
|                                  | SureSelect RNase Block                   | Not available. |
|                                  | SureSelect Post- Capture<br>Primer Mix   | Not available. |
|                                  | SureSelect XT HS Index<br>Primer A03-H04 | Not available. |
| <b>Viscosity</b>                 | : End Repair-A Tailing<br>Enzyme Mix     | Not available. |
|                                  | End Repair-A Tailing Buffer              | Not available. |
|                                  | T4 DNA Ligase                            | Not available. |
|                                  | Ligation Buffer                          | Not available. |
|                                  | Adaptor Oligo Mix                        | Not available. |
|                                  | Forward Primer                           | Not available. |
|                                  | dNTP Mix                                 | Not available. |
|                                  | Herculase II Fusion DNA<br>Polymerase    | Not available. |
|                                  | 5X Herculase II Reaction<br>Buffer       | Not available. |
|                                  | SureSelect Binding Buffer                | Not available. |
|                                  | SureSelect Wash Buffer 1                 | Not available. |
|                                  | SureSelect Wash Buffer 2                 | Not available. |
|                                  | SureSelect XT HS Blocker<br>Mix          | Not available. |
|                                  | SureSelect Fast<br>Hybridization Buffer  | Not available. |
|                                  | SureSelect RNase Block                   | Not available. |
|                                  | SureSelect Post- Capture<br>Primer Mix   | Not available. |
|                                  | SureSelect XT HS Index<br>Primer A03-H04 | Not available. |

## Section 10. Stability and reactivity



## Section 10. Stability and reactivity

|   |   |                                       |   |
|---|---|---------------------------------------|---|
| <b>Possibility of hazardous reactions</b> | : | End Repair-A Tailing Enzyme Mix       | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | End Repair-A Tailing Buffer           | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | T4 DNA Ligase                         | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | Ligation Buffer                       | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | Adaptor Oligo Mix                     | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | Forward Primer                        | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | dNTP Mix                              | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | Herculase II Fusion DNA Polymerase    | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | 5X Herculase II Reaction Buffer       | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect Binding Buffer             | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect Wash Buffer 1              | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect Wash Buffer 2              | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect XT HS Blocker Mix          | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect Fast Hybridization Buffer  | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect RNase Block                | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect Post- Capture Primer Mix   | Under normal conditions of storage and use, hazardous reactions will not occur. |
|   |   | SureSelect XT HS Index Primer A03-H04 | Under normal conditions of storage and use, hazardous reactions will not occur. |

|                            |   |                                       |                   |
|----------------------------|---|---------------------------------------|-------------------|
| <b>Conditions to avoid</b> | : | End Repair-A Tailing Enzyme Mix       | No specific data. |
|                            |   | End Repair-A Tailing Buffer           | No specific data. |
|                            |   | T4 DNA Ligase                         | No specific data. |
|                            |   | Ligation Buffer                       | No specific data. |
|                            |   | Adaptor Oligo Mix                     | No specific data. |
|                            |   | Forward Primer                        | No specific data. |
|                            |   | dNTP Mix                              | No specific data. |
|                            |   | Herculase II Fusion DNA Polymerase    | No specific data. |
|                            |   | 5X Herculase II Reaction Buffer       | No specific data. |
|                            |   | SureSelect Binding Buffer             | No specific data. |
|                            |   | SureSelect Wash Buffer 1              | No specific data. |
|                            |   | SureSelect Wash Buffer 2              | No specific data. |
|                            |   | SureSelect XT HS Blocker Mix          | No specific data. |
|                            |   | SureSelect Fast Hybridization Buffer  | No specific data. |
|                            |   | SureSelect RNase Block                | No specific data. |
|                            |   | SureSelect Post- Capture Primer Mix   | No specific data. |
|                            |   | SureSelect XT HS Index Primer A03-H04 | No specific data. |

## Section 10. Stability and reactivity

|   |                                       |  |
|---|---------------------------------------|--|
| <b>Incompatible materials</b>           | : End Repair-A Tailing Enzyme Mix     | May react or be incompatible with oxidising materials.   |
|   | End Repair-A Tailing Buffer           | May react or be incompatible with oxidising materials.   |
|   | T4 DNA Ligase                         | May react or be incompatible with oxidising materials.   |
|   | Ligation Buffer                       | May react or be incompatible with oxidising materials.   |
|   | Adaptor Oligo Mix                     | May react or be incompatible with oxidising materials.   |
|   | Forward Primer                        | May react or be incompatible with oxidising materials.   |
|   | dNTP Mix                              | May react or be incompatible with oxidising materials.   |
|   | Herculase II Fusion DNA Polymerase    | May react or be incompatible with oxidising materials.   |
|   | 5X Herculase II Reaction Buffer       | May react or be incompatible with oxidising materials.   |
|   | SureSelect Binding Buffer             | May react or be incompatible with oxidising materials.   |
|   | SureSelect Wash Buffer 1              | May react or be incompatible with oxidising materials.   |
|   | SureSelect Wash Buffer 2              | May react or be incompatible with oxidising materials.   |
|   | SureSelect XT HS Blocker Mix          | May react or be incompatible with oxidising materials.   |
|   | SureSelect Fast Hybridization Buffer  | May react or be incompatible with oxidising materials.   |
|   | SureSelect RNase Block                | May react or be incompatible with oxidising materials.   |
|   | SureSelect Post- Capture Primer Mix   | May react or be incompatible with oxidising materials.   |
|   | SureSelect XT HS Index Primer A03-H04 | May react or be incompatible with oxidising materials.   |
| <b>Hazardous decomposition products</b> | : End Repair-A Tailing Enzyme Mix     | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | End Repair-A Tailing Buffer           | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | T4 DNA Ligase                         | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | Ligation Buffer                       | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | Adaptor Oligo Mix                     | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | Forward Primer                        | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | dNTP Mix                              | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | Herculase II Fusion DNA Polymerase    | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|   | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 10. Stability and reactivity

|                                       |   |
|---------------------------------------|---|
| SureSelect Fast Hybridization Buffer  | produced.<br>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 Post- Capture Primer Mix   | Under normal conditions of storage and use, hazardous decomposition products should not be produced.              |
| SureSelect XT HS Index Primer A03-H04 | Under normal conditions of storage and use, hazardous decomposition products should not be produced.              |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name                               | Result    | Species | Dose        | Exposure |
|---|-----------|---------|-------------|----------|
| <b>End Repair-A Tailing Enzyme Mix</b><br>Glycerol    | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>T4 DNA Ligase</b><br>Glycerol                      | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>Ligation Buffer</b><br>Glycerol                    | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>Herculase II Fusion DNA Polymerase</b><br>Glycerol | LD50 Oral | Rat     | 12600 mg/kg | -        |
| <b>SureSelect RNase Block</b><br>Glycerol             | LD50 Oral | Rat     | 12600 mg/kg | -        |

#### Irritation/Corrosion

| Product/ingredient name                            | Result               | Species | Score | Exposure                | Observation |
|--|----------------------|---------|-------|-------------------------|-------------|
| <b>End Repair-A Tailing Enzyme Mix</b><br>Glycerol | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|  | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
| <b>T4 DNA Ligase</b><br>Glycerol                   | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|  | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
| <b>Ligation Buffer</b><br>Polyethylene glycol      | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|  | Eyes - Mild irritant | Rabbit  | -     | 500 milligrams          | -           |
|  | Skin - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |
|  | Skin - Mild irritant | Rabbit  | -     | 500 milligrams          | -           |
| Glycerol   | Eyes - Mild irritant | Rabbit  | -     | 24 hours 500 milligrams | -           |

## Section 11. Toxicological information

|   |                      |        |   |                         |   |
|---|----------------------|--------|---|-------------------------|---|
| <b>Herculase II Fusion DNA Polymerase</b><br>Glycerol | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
|   | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| <b>SureSelect RNase Block</b><br>Glycerol             | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
|   | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
|   | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |

### Sensitisation

Not available.

### Mutagenicity

Not available.

### Carcinogenicity

Not available.

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

|   |  |  |
|---|--|--|
| <b>Information on likely routes of exposure</b> | End Repair-A Tailing Enzyme Mix                        | Routes of entry anticipated: Oral, Dermal, Inhalation. |
|   | End Repair-A Tailing Buffer                            | Routes of entry anticipated: Oral, Dermal, Inhalation. |
|   | T4 DNA Ligase  | Routes of entry anticipated: Oral, Dermal, Inhalation. |
|   | Ligation Buffer  | Routes of entry anticipated: Oral, Dermal, Inhalation. |
|   | Adaptor Oligo Mix                                      | Not available.   |
|   | Forward Primer   | Not available.   |
|   | dNTP Mix   | Not available.   |
|   | Herculase II Fusion DNA Polymerase                     | Routes of entry anticipated: Oral, Dermal, Inhalation. |
|   | 5X Herculase II Reaction Buffer                        | Routes of entry anticipated: Oral, Dermal, Inhalation. |
|   | SureSelect Binding Buffer                              | Not available.   |
|   | SureSelect Wash Buffer 1                               | Not available.   |
|   | SureSelect Wash Buffer 2                               | Not available.   |
|   | SureSelect XT HS Blocker Mix                           | Not available.   |
|   | SureSelect Fast Hybridization Buffer                   | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| SureSelect RNase Block                          | Routes of entry anticipated: Oral, Dermal, Inhalation. |  |
| SureSelect Post- Capture Primer Mix             | Not available.   |  |

## Section 11. Toxicological information

SureSelect XT HS Index  
Primer A03-H04 Not available.

### Potential acute health effects

#### Eye contact

: End Repair-A Tailing Enzyme Mix No known significant effects or critical hazards.  
 End Repair-A Tailing Buffer No known significant effects or critical hazards.  
 T4 DNA Ligase No known significant effects or critical hazards.  
 Ligation Buffer No known significant effects or critical hazards.  
 Adaptor Oligo Mix No known significant effects or critical hazards.  
 Forward Primer No known significant effects or critical hazards.  
 dNTP Mix No known significant effects or critical hazards.  
 Herculase II Fusion DNA Polymerase No known significant effects or critical hazards.  
 5X Herculase II Reaction Buffer 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 XT HS Blocker Mix No known significant effects or critical hazards.  
 SureSelect Fast Hybridization Buffer No known significant effects or critical hazards.  
 SureSelect RNase Block No known significant effects or critical hazards.  
 SureSelect Post- Capture Primer Mix No known significant effects or critical hazards.  
 SureSelect XT HS Index Primer A03-H04 No known significant effects or critical hazards.

#### Inhalation

: End Repair-A Tailing Enzyme Mix No known significant effects or critical hazards.  
 End Repair-A Tailing Buffer No known significant effects or critical hazards.  
 T4 DNA Ligase No known significant effects or critical hazards.  
 Ligation Buffer No known significant effects or critical hazards.  
 Adaptor Oligo Mix No known significant effects or critical hazards.  
 Forward Primer No known significant effects or critical hazards.  
 dNTP Mix No known significant effects or critical hazards.  
 Herculase II Fusion DNA Polymerase No known significant effects or critical hazards.  
 5X Herculase II Reaction Buffer 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 XT HS Blocker Mix No known significant effects or critical hazards.  
 SureSelect Fast Hybridization Buffer No known significant effects or critical hazards.  
 SureSelect RNase Block No known significant effects or critical hazards.  
 SureSelect Post- Capture Primer Mix No known significant effects or critical hazards.  
 SureSelect XT HS Index Primer A03-H04 No known significant effects or critical hazards.

#### Skin contact

: End Repair-A Tailing Enzyme Mix No known significant effects or critical hazards.  
 End Repair-A Tailing Buffer No known significant effects or critical hazards.  
 T4 DNA Ligase No known significant effects or critical hazards.  
 Ligation Buffer No known significant effects or critical hazards.  
 Adaptor Oligo Mix No known significant effects or critical hazards.  
 Forward Primer No known significant effects or critical hazards.  
 dNTP Mix No known significant effects or critical hazards.  
 Herculase II Fusion DNA Polymerase No known significant effects or critical hazards.  
 5X Herculase II Reaction Buffer No known significant effects or critical hazards.

## Section 11. Toxicological information

|                  |                                       |   |
|------------------|---------------------------------------|---|
|                  | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |
|                  | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
|                  | SureSelect RNase Block                | No known significant effects or critical hazards. |
|                  | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
|                  | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |
| <b>Ingestion</b> | : End Repair-A Tailing Enzyme Mix     | No known significant effects or critical hazards. |
|                  | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |
|                  | T4 DNA Ligase                         | No known significant effects or critical hazards. |
|                  | Ligation Buffer                       | No known significant effects or critical hazards. |
|                  | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |
|                  | Forward Primer                        | No known significant effects or critical hazards. |
|                  | dNTP Mix                              | No known significant effects or critical hazards. |
|                  | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |
|                  | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |
|                  | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
|                  | SureSelect RNase Block                | No known significant effects or critical hazards. |
|                  | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
|                  | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |

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

|                    |                                       |                   |
|--------------------|---------------------------------------|-------------------|
| <b>Eye contact</b> | : End Repair-A Tailing Enzyme Mix     | No specific data. |
|                    | End Repair-A Tailing Buffer           | No specific data. |
|                    | T4 DNA Ligase                         | No specific data. |
|                    | Ligation Buffer                       | No specific data. |
|                    | Adaptor Oligo Mix                     | No specific data. |
|                    | Forward Primer                        | No specific data. |
|                    | dNTP Mix                              | No specific data. |
|                    | Herculase II Fusion DNA Polymerase    | No specific data. |
|                    | 5X Herculase II Reaction Buffer       | No specific data. |
|                    | SureSelect Binding Buffer             | No specific data. |
|                    | SureSelect Wash Buffer 1              | No specific data. |
|                    | SureSelect Wash Buffer 2              | No specific data. |
|                    | SureSelect XT HS Blocker Mix          | No specific data. |
|                    | SureSelect Fast Hybridization Buffer  | No specific data. |
|                    | SureSelect RNase Block                | No specific data. |
|                    | SureSelect Post- Capture Primer Mix   | No specific data. |
|                    | SureSelect XT HS Index Primer A03-H04 | No specific data. |



## Section 11. Toxicological information

|                   |                     |                                       |                                 |                   |
|-------------------|---------------------|---------------------------------------|---------------------------------|-------------------|
| <b>Inhalation</b> | :                   | End Repair-A Tailing Enzyme Mix       | No specific data.               |                   |
|                   |                     | End Repair-A Tailing Buffer           | No specific data.               |                   |
|                   |                     | T4 DNA Ligase                         | No specific data.               |                   |
|                   |                     | Ligation Buffer                       | No specific data.               |                   |
|                   |                     | Adaptor Oligo Mix                     | No specific data.               |                   |
|                   |                     | Forward Primer                        | No specific data.               |                   |
|                   |                     | dNTP Mix                              | No specific data.               |                   |
|                   |                     | Herculase II Fusion DNA Polymerase    | No specific data.               |                   |
|                   |                     | 5X Herculase II Reaction Buffer       | No specific data.               |                   |
|                   |                     | SureSelect Binding Buffer             | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 1              | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 2              | No specific data.               |                   |
|                   |                     | SureSelect XT HS Blocker Mix          | No specific data.               |                   |
|                   |                     | SureSelect Fast Hybridization Buffer  | No specific data.               |                   |
|                   |                     | SureSelect RNase Block                | No specific data.               |                   |
|                   |                     | SureSelect Post- Capture Primer Mix   | No specific data.               |                   |
|                   |                     | SureSelect XT HS Index Primer A03-H04 | No specific data.               |                   |
|                   | <b>Skin contact</b> | :                                     | End Repair-A Tailing Enzyme Mix | No specific data. |
|                   |                     |                                       | End Repair-A Tailing Buffer     | No specific data. |
|                   |                     |                                       | T4 DNA Ligase                   | No specific data. |
|                   |                     | Ligation Buffer                       | No specific data.               |                   |
|                   |                     | Adaptor Oligo Mix                     | No specific data.               |                   |
|                   |                     | Forward Primer                        | No specific data.               |                   |
|                   |                     | dNTP Mix                              | No specific data.               |                   |
|                   |                     | Herculase II Fusion DNA Polymerase    | No specific data.               |                   |
|                   |                     | 5X Herculase II Reaction Buffer       | No specific data.               |                   |
|                   |                     | SureSelect Binding Buffer             | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 1              | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 2              | No specific data.               |                   |
|                   |                     | SureSelect XT HS Blocker Mix          | No specific data.               |                   |
|                   |                     | SureSelect Fast Hybridization Buffer  | No specific data.               |                   |
|                   |                     | SureSelect RNase Block                | No specific data.               |                   |
|                   |                     | SureSelect Post- Capture Primer Mix   | No specific data.               |                   |
|                   |                     | SureSelect XT HS Index Primer A03-H04 | No specific data.               |                   |
| <b>Ingestion</b>  |                     | :                                     | End Repair-A Tailing Enzyme Mix | No specific data. |
|                   |                     |                                       | End Repair-A Tailing Buffer     | No specific data. |
|                   |                     |                                       | T4 DNA Ligase                   | No specific data. |
|                   |                     | Ligation Buffer                       | No specific data.               |                   |
|                   |                     | Adaptor Oligo Mix                     | No specific data.               |                   |
|                   |                     | Forward Primer                        | No specific data.               |                   |
|                   |                     | dNTP Mix                              | No specific data.               |                   |
|                   |                     | Herculase II Fusion DNA Polymerase    | No specific data.               |                   |
|                   |                     | 5X Herculase II Reaction Buffer       | No specific data.               |                   |
|                   |                     | SureSelect Binding Buffer             | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 1              | No specific data.               |                   |
|                   |                     | SureSelect Wash Buffer 2              | No specific data.               |                   |

## Section 11. Toxicological information

|                                       |                   |
|---------------------------------------|-------------------|
| SureSelect XT HS Blocker Mix          | No specific data. |
| SureSelect Fast Hybridization Buffer  | No specific data. |
| SureSelect RNase Block                | No specific data. |
| SureSelect Post- Capture Primer Mix   | No specific data. |
| SureSelect XT HS Index Primer A03-H04 | No specific data. |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

|                        |                                       |   |
|------------------------|---------------------------------------|---|
| <b>General</b>         | : End Repair-A Tailing Enzyme Mix     | No known significant effects or critical hazards. |
|                        | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |
|                        | T4 DNA Ligase                         | No known significant effects or critical hazards. |
|                        | Ligation Buffer                       | No known significant effects or critical hazards. |
|                        | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |
|                        | Forward Primer                        | No known significant effects or critical hazards. |
|                        | dNTP Mix                              | No known significant effects or critical hazards. |
|                        | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |
|                        | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |
|                        | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
|                        | SureSelect RNase Block                | No known significant effects or critical hazards. |
|                        | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
|                        | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |
| <b>Carcinogenicity</b> | : End Repair-A Tailing Enzyme Mix     | No known significant effects or critical hazards. |
|                        | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |
|                        | T4 DNA Ligase                         | No known significant effects or critical hazards. |
|                        | Ligation Buffer                       | No known significant effects or critical hazards. |
|                        | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |
|                        | Forward Primer                        | No known significant effects or critical hazards. |
|                        | dNTP Mix                              | No known significant effects or critical hazards. |
|                        | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |
|                        | 5X Herculase II Reaction Buffer       | 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. |

## Section 11. Toxicological information

|                       |                                       |   |
|-----------------------|---------------------------------------|---|
|                       | SureSelect XT HS Blocker Mix          | No known significant effects or critical hazards. |
|                       | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
|                       | SureSelect RNase Block                | No known significant effects or critical hazards. |
|                       | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
|                       | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |
| <b>Mutagenicity</b>   | : End Repair-A Tailing Enzyme Mix     | No known significant effects or critical hazards. |
|                       | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |
|                       | T4 DNA Ligase                         | No known significant effects or critical hazards. |
|                       | Ligation Buffer                       | No known significant effects or critical hazards. |
|                       | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |
|                       | Forward Primer                        | No known significant effects or critical hazards. |
|                       | dNTP Mix                              | No known significant effects or critical hazards. |
|                       | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |
|                       | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |
|                       | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
|                       | SureSelect RNase Block                | No known significant effects or critical hazards. |
|                       | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
|                       | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |
| <b>Teratogenicity</b> | : End Repair-A Tailing Enzyme Mix     | No known significant effects or critical hazards. |
|                       | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |
|                       | T4 DNA Ligase                         | No known significant effects or critical hazards. |
|                       | Ligation Buffer                       | No known significant effects or critical hazards. |
|                       | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |
|                       | Forward Primer                        | No known significant effects or critical hazards. |
|                       | dNTP Mix                              | No known significant effects or critical hazards. |
|                       | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |
|                       | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |
|                       | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |
|                       | SureSelect RNase Block                | No known significant effects or critical hazards. |
|                       | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |
|                       | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |

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|                              |                          |                                       |   |   |
|------------------------------|--------------------------|---------------------------------------|---|---|
| <b>Developmental effects</b> | <b>:</b>                 | End Repair-A Tailing Enzyme Mix       | No known significant effects or critical hazards. |   |
|                              |                          | End Repair-A Tailing Buffer           | No known significant effects or critical hazards. |   |
|                              |                          | T4 DNA Ligase                         | No known significant effects or critical hazards. |   |
|                              |                          | Ligation Buffer                       | No known significant effects or critical hazards. |   |
|                              |                          | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |   |
|                              |                          | Forward Primer                        | No known significant effects or critical hazards. |   |
|                              |                          | dNTP Mix                              | No known significant effects or critical hazards. |   |
|                              |                          | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |   |
|                              |                          | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect RNase Block                | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |   |
|                              | <b>Fertility effects</b> | <b>:</b>                              | End Repair-A Tailing Enzyme Mix                   | No known significant effects or critical hazards. |
|                              |                          |                                       | End Repair-A Tailing Buffer                       | No known significant effects or critical hazards. |
|                              |                          |                                       | T4 DNA Ligase                                     | No known significant effects or critical hazards. |
|                              |                          | Ligation Buffer                       | No known significant effects or critical hazards. |   |
|                              |                          | Adaptor Oligo Mix                     | No known significant effects or critical hazards. |   |
|                              |                          | Forward Primer                        | No known significant effects or critical hazards. |   |
|                              |                          | dNTP Mix                              | No known significant effects or critical hazards. |   |
|                              |                          | Herculase II Fusion DNA Polymerase    | No known significant effects or critical hazards. |   |
|                              |                          | 5X Herculase II Reaction Buffer       | 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 XT HS Blocker Mix          | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect Fast Hybridization Buffer  | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect RNase Block                | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect Post- Capture Primer Mix   | No known significant effects or critical hazards. |   |
|                              |                          | SureSelect XT HS Index Primer A03-H04 | No known significant effects or critical hazards. |   |

### Numerical measures of toxicity

#### Acute toxicity estimates

Not available.

## Section 12. Ecological information

### Toxicity

| Product/ingredient name                                   | Result  | Species   | Exposure             |
|---|---|---|----------------------|
| <b>End Repair-A Tailing Enzyme Mix</b><br>Glycerol        | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss                              | 96 hours             |
| <b>T4 DNA Ligase</b><br>Glycerol                          | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss                              | 96 hours             |
| <b>Ligation Buffer</b><br>Polyethylene glycol<br>Glycerol | Acute LC50 >1000000 µg/l Fresh water<br>Acute LC50 54000 mg/l Fresh water | Fish - Salmo salar - Parr<br>Fish - Oncorhynchus mykiss | 96 hours<br>96 hours |
| <b>Herculase II Fusion DNA Polymerase</b><br>Glycerol     | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss                              | 96 hours             |
| <b>SureSelect RNase Block</b><br>Glycerol                 | Acute LC50 54000 mg/l Fresh water   | Fish - Oncorhynchus mykiss                              | 96 hours             |

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name                                   | LogP <sub>ow</sub> | BCF      | Potential  |
|---|--------------------|----------|------------|
| <b>End Repair-A Tailing Enzyme Mix</b><br>Glycerol        | -1.76              | -        | low        |
| <b>T4 DNA Ligase</b><br>Glycerol                          | -1.76              | -        | low        |
| <b>Ligation Buffer</b><br>Polyethylene glycol<br>Glycerol | -<br>-1.76         | 3.2<br>- | low<br>low |
| <b>Herculase II Fusion DNA Polymerase</b><br>Glycerol     | -1.76              | -        | low        |
| <b>SureSelect RNase Block</b><br>Glycerol                 | -1.76              | -        | low        |

### Mobility in soil

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

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

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. 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

|                          |  |
|--------------------------|--|
| <b>Australia</b>         | : Not determined.  |
| <b>Canada</b>            | : Not determined.  |
| <b>China</b>             | : Not determined.  |
| <b>Europe</b>            | : Not determined.  |
| <b>Japan</b>             | : <b>Japan inventory (ENCS):</b> Not determined.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>Malaysia</b>          | : Not determined.  |
| <b>New Zealand</b>       | : Not determined.  |
| <b>Philippines</b>       | : Not determined.  |
| <b>Republic of Korea</b> | : Not determined.  |

## Section 15. Regulatory information

**Taiwan** : Not determined.  
**Thailand** :  Not determined.  
**Turkey** : Not determined.  
**United States** : Not determined.  
**Viet Nam** :  Not determined.

## Section 16. Any other relevant information

### History

**Date of issue/Date of revision** : 28/06/2017

**Date of previous issue** : 22/03/2017.

**Version** : 1.1

### Key to abbreviations

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

### Procedure used to derive the classification

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

**References** : Not available.

Indicates information that has changed from previously issued version.

**Nota \*** :  kit containing Agilent Part Number: 5500-0138, 5190-9684, 5190-9685, 5500-0142  
 \*SureSelect XT HS Index Primer A03-H04: 5190-9740, 5190-9741, 5190-9742, 5190-9743, 5190-9744, 5190-9745, 5190-9746, 5190-9747, 5190-9748, 5190-9749, 5190-9750, 5190-9751, 5190-9752, 5190-9753, 5190-9754, 5190-9755

### Notice to reader

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