

SAFETY DATA SHEET

SureSelect XT HS Reagent Kit, index 1-16 + Human All Exon V6+UTR Target
Enrichment Baits, 16rxn, Part Number G9704 A-M

Section 1. Identification

1.1 Product identifier

Product name : SureSelect XT HS Reagent Kit, index 1-16 + Human All Exon V6+UTR Target
Enrichment Baits, 16rxn, Part Number G9704 A-M

Part No. (Chemical Kit) : G9704 A-M

Part No. : SureSelect XT HS Library Preparation Kit 5500-0138
for ILM (Pre PCR), 16 Rxn

| | |
|--|--|
| 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 |
| SureSelect XT HS Library Preparation Kit for ILM (Pre PCR), 16 Rxn / SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 16 Rxn | 5500-0138 / 5190-9684 |
| dNTP Mix | 5190-6418 |
| Herculase II Fusion DNA Polymerase | 5190-7742 |
| 5X Herculase II Reaction Buffer | 600675-52 |
| SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 1 (Post PCR), 16 Rxn | 5190-9685 |
| SureSelect Binding Buffer | 5190-4399 |
| SureSelect Wash Buffer 1 | 5190-4400 |
| SureSelect Wash Buffer 2 | 5190-4401 |
| SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 16 Rxn | 5190-9684 |
| 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 |
| SureSelect XT HS Index Primers 1-16 for ILM (Pre PCR) | 5500-0141 |
| SureSelect XT HS Index Primer A01 | 5190-6419 |
| SSEL XT HS and XT Low Input Custom Capture Library | 5190-9917 / 5190-9918 / 5190-9919 / 5190-9920 / 5190-9921 / 5190-9937 / 5190-9949 / 5190-9951 / 5190-9939 / 5190-9953 / 5190-9941 |
| SSEL XT HS Human All Exon V6+UTRs | 5190-9226 |
| SSEL XT HS Human All Exon V6+UTRs | 5190-9226 |

Validation date : 10/30/2017

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

Material uses : Analytical reagent.
For Research Use Only. Not for use in diagnostic procedures.

| | |
|------------------------------------|-------------------------|
| 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 |

Section 1. Identification

| | |
|--|--------------------------------|
| 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 A01 | 16 x 0.01 ml (16 reactions) |
| SSEL XT HS and XT Low Input Custom Capture Library | 0.032 - 0.08 ml (16 reactions) |
| SSEL XT HS Human All Exon V6+UTRs | 0.08 ml |

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

| | | |
|------------------------|--|---|
| OSHA/HCS status | <p>End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer</p> <p>T4 DNA Ligase</p> <p>Ligation Buffer</p> <p>Adaptor Oligo Mix</p> <p>Forward Primer</p> <p>dNTP Mix</p> <p>Herculase II Fusion DNA Polymerase 5X Herculase II Reaction</p> | <p>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.</p> <p>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.</p> <p>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.</p> <p>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.</p> <p>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.</p> <p>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.</p> |
|------------------------|--|---|

Section 2. Hazards identification

| | |
|--|--|
| Buffer | OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SureSelect Binding Buffer | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SureSelect Wash Buffer 1 | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SureSelect Wash Buffer 2 | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SureSelect XT HS Blocker Mix | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SureSelect Fast Hybridization Buffer | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SureSelect RNase Block | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |
| SureSelect Post- Capture Primer Mix | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SureSelect XT HS Index Primer A01-H02 | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SSEL XT HS and XT Low Input Custom Capture Library | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
| SSEL XT HS Human All Exon V6+UTRs | While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This |

Section 2. Hazards identification

SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

End Repair-A Tailing Enzyme

Mix

H320 EYE IRRITATION - Category 2B

T4 DNA Ligase

H320 EYE IRRITATION - Category 2B

Ligation Buffer

H320 EYE IRRITATION - Category 2B
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Herculase II Fusion DNA

Polymerase

H320 EYE IRRITATION - Category 2B

SureSelect RNase Block

H320 EYE IRRITATION - Category 2B

| | | | |
|--|---|--|---|
| Ingredients of unknown toxicity | : | 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% |
| | | T4 DNA Ligase | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10% |
| | | Ligation Buffer | Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10% |
| | | dNTP Mix | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60% |
| | | Herculase II Fusion DNA Polymerase | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10% |
| | | 5X Herculase II Reaction Buffer | 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 dermal toxicity: 1 - 10% |
| | | SureSelect Fast Hybridization Buffer | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10% |
| | | SureSelect RNase Block | Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10% |
| | | SSEL XT HS and XT Low Input Custom Capture Library | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60% |
| | | | Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10% |

Section 2. Hazards identification

2.2 GHS label elements

Hazard pictograms

: Ligation Buffer



Signal word

| | |
|--|-----------------|
| End Repair-A Tailing Enzyme Mix | Warning |
| End Repair-A Tailing Buffer | No signal word. |
| T4 DNA Ligase | Warning |
| Ligation Buffer | Warning |
| Adaptor Oligo Mix | No signal word. |
| Forward Primer | No signal word. |
| dNTP Mix | No signal word. |
| Herculase II Fusion DNA Polymerase | Warning |
| 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 | Warning |
| SureSelect Post- Capture Primer Mix | No signal word. |
| SureSelect XT HS Index Primer A01-H02 | No signal word. |
| SSEL XT HS and XT Low Input Custom Capture Library | No signal word. |
| SSel XT HS Human All Exon V6+UTRs | No signal word. |

Hazard statements

| | |
|--|---|
| End Repair-A Tailing Enzyme Mix | H320 - Causes eye irritation. |
| End Repair-A Tailing Buffer | No known significant effects or critical hazards. |
| T4 DNA Ligase | H320 - Causes eye irritation. |
| Ligation Buffer | H320 - Causes eye irritation. H335 - May cause respiratory irritation. |
| 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 | H320 - Causes eye irritation. |
| 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 | H320 - Causes eye irritation. |
| SureSelect Post- Capture Primer Mix | No known significant effects or critical hazards. |
| SureSelect XT HS Index Primer A01-H02 | No known significant effects or critical hazards. |
| SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| SSel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |

Precautionary statements

Section 2. Hazards identification

Prevention

| | |
|--|---|
| <ul style="list-style-type: none"> End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer | <ul style="list-style-type: none"> P264 - Wash hands thoroughly after handling. Not applicable. P264 - Wash hands thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P261 - Avoid breathing vapor. P264 - Wash hands thoroughly after handling. Not applicable. Not applicable. Not applicable. P264 - Wash hands thoroughly after handling. |
| <ul style="list-style-type: none"> Adaptor Oligo Mix Forward Primer dNTP Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture Primer Mix SureSelect XT HS Index Primer A01-H02 SSEL XT HS and XT Low Input Custom Capture Library SSEL XT HS Human All Exon V6+UTRs | <ul style="list-style-type: none"> Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. P264 - Wash hands thoroughly after handling. Not applicable. Not applicable. Not applicable. Not applicable. |

Response

| | |
|---|--|
| <ul style="list-style-type: none"> End Repair-A Tailing Enzyme Mix | <ul style="list-style-type: none"> P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| <ul style="list-style-type: none"> End Repair-A Tailing Buffer T4 DNA Ligase | <ul style="list-style-type: none"> Not applicable. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| <ul style="list-style-type: none"> Ligation Buffer | <ul style="list-style-type: none"> P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| <ul style="list-style-type: none"> Adaptor Oligo Mix Forward Primer dNTP Mix Herculase II Fusion DNA Polymerase | <ul style="list-style-type: none"> Not applicable. Not applicable. Not applicable. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical |

Section 2. Hazards identification

| | | |
|-----------------|--|---|
| | 5X Herculase II Reaction Buffer | attention. |
| | 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 | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention. |
| | SureSelect Post- Capture Primer Mix | Not applicable. |
| | SureSelect XT HS Index Primer A01-H02 | Not applicable. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not applicable. |
| | SSel XT HS Human All Exon V6+UTRs | Not applicable. |
| Storage | : End Repair-A Tailing Enzyme Mix | Not applicable. |
| | End Repair-A Tailing Buffer | Not applicable. |
| | T4 DNA Ligase | Not applicable. |
| | Ligation Buffer | P405 - Store locked up. |
| | 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 A01-H02 | Not applicable. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not applicable. |
| | SSel XT HS Human All Exon V6+UTRs | Not applicable. |
| Disposal | : End Repair-A Tailing Enzyme Mix | Not applicable. |
| | End Repair-A Tailing Buffer | Not applicable. |
| | T4 DNA Ligase | Not applicable. |
| | Ligation Buffer | P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| | 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. |

Section 2. Hazards identification

Supplemental label elements

| | |
|--|-----------------|
| 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 A01-H02 | Not applicable. |
| SSEL XT HS and XT Low Input Custom Capture Library | Not applicable. |
| SSel XT HS Human All Exon V6+UTRs | Not applicable. |
| 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. |
| SureSelect XT HS Index Primer A01-H02 | None known. |
| SSEL XT HS and XT Low Input Custom Capture Library | None known. |
| SSel XT HS Human All Exon V6+UTRs | None known. |

2.3 Other hazards

Hazards not otherwise classified

| | |
|--------------------------------------|-------------|
| 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 | None known. |

Section 2. Hazards identification

| | |
|-------------------------------|-------------|
| Mix | |
| SureSelect XT HS Index Primer | None known. |
| A01-H02 | |
| SSEL XT HS and XT Low Input | None known. |
| Custom Capture Library | |
| SSEL XT HS Human All Exon | None known. |
| V6+UTRs | |

Section 3. Composition/information on ingredients

| | | | |
|--------------------------|---|--------------------------------------|---------|
| Substance/mixture | : | 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 | Mixture |
| | | A01-H02 | |
| | | SSEL XT HS and XT Low Input | Mixture |
| | | Custom Capture Library | |
| | | SSEL XT HS Human All Exon | Mixture |
| | | V6+UTRs | |

| Ingredient name | % | CAS number |
|---|-----------|------------|
| End Repair-A Tailing Enzyme Mix | | |
| Glycerol | ≥50 - ≤75 | 56-81-5 |
| End Repair-A Tailing Buffer | | |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | ≤3 | 1185-53-1 |
| Potassium chloride | ≤3 | 7447-40-7 |
| T4 DNA Ligase | | |
| Glycerol | ≥50 - ≤75 | 56-81-5 |
| Ligation Buffer | | |
| Polyethylene glycol | ≥10 - ≤25 | 25322-68-3 |
| Glycerol | ≥10 - ≤25 | 56-81-5 |
| Herculase II Fusion DNA Polymerase | | |
| Glycerol | ≥50 - ≤75 | 56-81-5 |
| 5X Herculase II Reaction Buffer | | |
| Trometamol | ≤3 | 77-86-1 |
| Ammonium sulphate | ≤3 | 7783-20-2 |
| SureSelect Binding Buffer | | |
| Sodium chloride | <10 | 7647-14-5 |

Section 3. Composition/information on ingredients

| | | |
|--|-----------|-----------|
| SureSelect Fast Hybridization Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | ≤3 | 1185-53-1 |
| SureSelect RNase Block Glycerol | ≥50 - ≤75 | 56-81-5 |
| SSEL XT HS and XT Low Input Custom Capture Library Glycerol | ≤3 | 56-81-5 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

4.1 Description of necessary first aid measures

| | | |
|--------------------|------------------------------------|---|
| Eye contact | : 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. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| | 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. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| | Ligation Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| | 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. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| | 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, |

Section 4. First aid measures

| | | |
|-------------------|---|--|
| | | 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. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| | SureSelect Post- Capture Primer 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 XT HS Index Primer A01-H02 | 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. |
| | SSEL XT HS and XT Low Input Custom Capture Library | 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. |
| | SSEL XT HS Human All Exon V6+UTRs | 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. |
| Inhalation | :  End Repair-A Tailing Enzyme Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| | 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. |

Section 4. First aid measures

| | |
|------------------------------------|---|
| T4 DNA Ligase | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Ligation Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| 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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| 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. |

Section 4. First aid measures

| | |
|--|--|
| 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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| SureSelect 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 A01-H02 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SSEL XT HS and XT Low Input Custom Capture Library | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SSEL XT HS Human All Exon V6+UTRs | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | |
| : End Repair-A Tailing Enzyme Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| 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. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ligation Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash |

Section 4. First aid measures

| | |
|--|--|
| Adaptor Oligo Mix | clothing before reuse. Clean shoes thoroughly before reuse. 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. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| 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. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| 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 A01-H02 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SSEL XT HS and XT Low Input Custom Capture Library | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SSEL XT HS Human All Exon V6+UTRs | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion : End Repair-A Tailing Enzyme Mix | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting |

Section 4. First aid measures

| | |
|-----------------------------|--|
| | <p>occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> |
| End Repair-A Tailing Buffer | <p>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.</p> |
| T4 DNA Ligase | <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> |
| Ligation Buffer | <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> |
| Adaptor Oligo Mix | <p>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.</p> |
| Forward Primer | <p>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</p> |

Section 4. First aid measures

| | |
|------------------------------------|--|
| dNTP Mix | <p>unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p> <p>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.</p> |
| Herculase II Fusion DNA Polymerase | <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> |
| 5X Herculase II Reaction Buffer | <p>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.</p> |
| SureSelect Binding Buffer | <p>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.</p> |
| SureSelect Wash Buffer 1 | <p>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.</p> |
| SureSelect Wash Buffer 2 | <p>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.</p> |
| SureSelect XT HS Blocker Mix | <p>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</p> |

Section 4. First aid measures

| | |
|--|--|
| SureSelect Fast Hybridization Buffer | <p>medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p> |
| SureSelect RNase Block | <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> |
| SureSelect Post- Capture Primer Mix | <p>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.</p> |
| SureSelect XT HS Index Primer A01-H02 | <p>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.</p> |
| SSEL XT HS and XT Low Input Custom Capture Library | <p>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.</p> |
| SSEL XT HS Human All Exon V6+UTRs | <p>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.</p> |

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Section 4. First aid measures

| | |
|---------------------|---|
| Eye contact | <ul style="list-style-type: none"> : End Repair-A Tailing Enzyme Mix Causes eye irritation. End Repair-A Tailing Buffer No known significant effects or critical hazards. T4 DNA Ligase Causes eye irritation. Ligation Buffer Causes eye irritation. 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 Causes eye irritation. Polymerase 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 Causes eye irritation. SureSelect Post- Capture Primer Mix No known significant effects or critical hazards. SureSelect XT HS Index Primer A01-H02 No known significant effects or critical hazards. SSEL XT HS and XT Low Input Custom Capture Library No known significant effects or critical hazards. SSel XT HS Human All Exon V6+UTRs No known significant effects or critical hazards. |
| Inhalation | <ul style="list-style-type: none"> : 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 May cause respiratory irritation. 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 No known significant effects or critical hazards. Polymerase 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 A01-H02 No known significant effects or critical hazards. SSEL XT HS and XT Low Input Custom Capture Library No known significant effects or critical hazards. SSel XT HS Human All Exon V6+UTRs No known significant effects or critical hazards. |
| Skin contact | <ul style="list-style-type: none"> : 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 No known significant effects or critical hazards. Polymerase |

Section 4. First aid measures

| | | |
|------------------|--|---|
| | 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 A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | Ssel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |
| Ingestion | : 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 A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | Ssel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | | |
|--------------------|-----------------------------------|--|
| Eye contact | : End Repair-A Tailing Enzyme Mix | Adverse symptoms may include the following: irritation watering redness |
| | End Repair-A Tailing Buffer | No specific data. |
| | T4 DNA Ligase | Adverse symptoms may include the following: irritation watering redness |
| | Ligation Buffer | Adverse symptoms may include the following: irritation watering redness |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | dNTP Mix | No specific data. |
| | Herculase II Fusion DNA | Adverse symptoms may include the following: |

Section 4. First aid measures

| | | |
|---------------------|--|---|
| | Polymerase | irritation watering redness |
| | 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 | Adverse symptoms may include the following: irritation watering redness |
| | SureSelect Post- Capture Primer Mix | No specific data. |
| | SureSelect XT HS Index Primer A01-H02 | No specific data. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| | SSel XT HS Human All Exon V6+UTRs | No specific data. |
| Inhalation | : 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 | Adverse symptoms may include the following: respiratory tract irritation coughing |
| | 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 A01-H02 | No specific data. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| | SSel XT HS Human All Exon V6+UTRs | No specific data. |
| Skin 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. |

Section 4. First aid measures

| | | |
|------------------|--|-------------------|
| | 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 A01-H02 | No specific data. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| | SSel XT HS Human All Exon V6+UTRs | No specific data. |
| Ingestion | : 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 A01-H02 | No specific data. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| | SSel XT HS Human All Exon V6+UTRs | No specific data. |

4.3 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 |

Section 4. First aid measures

| | |
|--|---|
| Forward Primer | ingested or inhaled. 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 ingested or inhaled. |
| SureSelect XT HS Index Primer A01-H02 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| SSEL XT HS and XT Low Input Custom Capture Library | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| SSel XT HS Human All Exon V6+UTRs | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |

Specific treatments

| | |
|------------------------------------|------------------------|
| 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. |

Section 4. First aid measures

| | | |
|-----------------------------------|--|--|
| | 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 A01-H02 | No specific treatment. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No specific treatment. |
| | SSEL XT HS Human All Exon V6+UTRs | No specific treatment. |
| Protection of first-aiders | : End Repair-A Tailing Enzyme Mix | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | Ligation Buffer | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | SureSelect Post- Capture Primer Mix | No action shall be taken involving any personal risk or without suitable training. |
| | SureSelect XT HS Index Primer A01-H02 | No action shall be taken involving any personal risk or without suitable training. |
| | SSEL XT HS and XT Low Input | No action shall be taken involving any personal risk |

Section 4. First aid measures

Custom Capture Library
SSEL XT HS Human All Exon
V6+UTRs

or without suitable training.
No action shall be taken involving any personal risk
or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

| | |
|---|---|
| : 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 A01-H02 | Use an extinguishing agent suitable for the surrounding fire. |
| SSEL XT HS and XT Low Input Custom Capture Library | Use an extinguishing agent suitable for the surrounding fire. |
| SSEL XT HS Human All Exon V6+UTRs | Use an extinguishing agent suitable for the surrounding fire. |

Unsuitable extinguishing media

| | |
|---------------------------------------|-------------|
| : 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 5. Fire-fighting measures

| | |
|--|-------------|
| 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 A01-H02 | None known. |
| SSEL XT HS and XT Low Input Custom Capture Library | None known. |
| SSel XT HS Human All Exon V6+UTRs | None known. |

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

| | |
|--|---|
| : End Repair-A Tailing Enzyme Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| End Repair-A Tailing Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| T4 DNA Ligase | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Ligation Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Adaptor Oligo Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Forward Primer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| dNTP Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Herculase II Fusion DNA Polymerase | In a fire or if heated, a pressure increase will occur and the container may burst. |
| 5X Herculase II Reaction Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Binding Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Wash Buffer 1 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Wash Buffer 2 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect XT HS Blocker Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Fast Hybridization Buffer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect RNase Block | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect Post- Capture Primer Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SureSelect XT HS Index Primer A01-H02 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SSEL XT HS and XT Low Input Custom Capture Library | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SSel XT HS Human All Exon V6+UTRs | In a fire or if heated, a pressure increase will occur and the container may burst. |

Section 5. Fire-fighting measures

Hazardous thermal decomposition products

| | |
|--------------------------------------|--|
| : End Repair-A Tailing Enzyme Mix | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| End Repair-A Tailing Buffer | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides |
| T4 DNA Ligase | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Ligation Buffer | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| Adaptor Oligo Mix | No specific data. |
| Forward Primer | No specific data. |
| dNTP Mix | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides |
| Herculase II Fusion DNA Polymerase | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| 5X Herculase II Reaction Buffer | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides |
| SureSelect Binding Buffer | Decomposition products may include the following materials: halogenated compounds 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: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides |
| SureSelect RNase Block | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| SureSelect Post- Capture Primer Mix | No specific data. |

Section 5. Fire-fighting measures

| | |
|--|--|
| SureSelect XT HS Index Primer A01-H02 | No specific data. |
| SSEL XT HS and XT Low Input Custom Capture Library | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| SSel XT HS Human All Exon V6+UTRs | No specific data. |

5.3 Advice for firefighters

Special protective actions for fire-fighters

| | |
|------------------------------------|---|
| 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 action shall be taken involving any personal risk or without suitable training. |
| Herculase II Fusion DNA Polymerase | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| 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. |

Section 5. Fire-fighting measures

| | |
|---|---|
| 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 A01-H02 | 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. |
| SSEL XT HS and XT Low Input Custom Capture Library | 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. |
| SSel XT HS Human All Exon V6+UTRs | 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. |
| Special protective equipment for fire-fighters : 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 equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| dNTP Mix | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| 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 |

Section 5. Fire-fighting measures

| | |
|--|---|
| 5X Herculase II Reaction Buffer | pressure mode. 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 A01-H02 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SSEL XT HS and XT Low Input Custom Capture Library | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| SSEL XT HS Human All Exon V6+UTRs | 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

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

End Repair-A Tailing Buffer

No action shall be taken involving any personal

Section 6. Accidental release measures

| | |
|------------------------------------|---|
| T4 DNA Ligase | <p>risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| Ligation Buffer | <p>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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| Adaptor Oligo Mix | <p>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 spilled material. Put on appropriate personal protective equipment.</p> |
| Forward Primer | <p>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 spilled material. Put on appropriate personal protective equipment.</p> |
| dNTP Mix | <p>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 spilled material. Put on appropriate personal protective equipment.</p> |
| Herculase II Fusion DNA Polymerase | <p>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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</p> |
| 5X Herculase II Reaction Buffer | <p>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 spilled material. Put on appropriate personal protective equipment.</p> |
| SureSelect Binding Buffer | <p>No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and</p> |

Section 6. Accidental release measures

| | |
|--|---|
| SureSelect Wash Buffer 1 | unprotected personnel from entering. Do not touch or walk through spilled 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 spilled 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 spilled 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 personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. |
| SureSelect Fast Hybridization 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 spilled 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 spilled material. Put on appropriate personal protective equipment. |
| SureSelect XT HS Index Primer A01-H02 | 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 spilled material. Put on appropriate personal protective equipment. |
| SSEL XT HS and XT Low Input Custom Capture Library | 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 spilled material. Put on appropriate personal protective equipment. |
| SSEL XT HS Human All Exon V6+UTRs | 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 spilled material. Put on |

Section 6. Accidental release measures

| | |
|--|--|
| SureSelect Post- Capture Primer Mix | on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized 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 A01-H02 | If specialized 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". |
| SSEL XT HS and XT Low Input Custom Capture Library | If specialized 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". |
| SSEL XT HS Human All Exon V6+UTRs | If specialized 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". |

6.2 Environmental precautions

| | |
|------------------------------------|---|
| : End Repair-A Tailing Enzyme Mix | Avoid dispersal of spilled 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 spilled 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 spilled 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 spilled 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 spilled 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 spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| dNTP Mix | Avoid dispersal of spilled 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 spilled 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

| | |
|--|---|
| 5X Herculase II Reaction Buffer | Avoid dispersal of spilled 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 spilled 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 spilled 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 spilled 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 spilled 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 spilled 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 spilled 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 spilled 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 A01-H02 | Avoid dispersal of spilled 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). |
| SSEL XT HS and XT Low Input Custom Capture Library | Avoid dispersal of spilled 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). |
| SSEL XT HS Human All Exon V6+UTRs | Avoid dispersal of spilled 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). |

6.3 Methods and materials for containment and cleaning up

Section 6. Accidental release measures

| | | |
|--------------------------------|------------------------------------|---|
| Methods for cleaning up | : 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. |

Section 6. Accidental release measures

| | |
|--|---|
| SureSelect Wash Buffer 1 | disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Wash Buffer 2 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect 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 A01-H02 | 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. |
| SSEL XT HS and XT Low Input Custom Capture Library | 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. |
| SSEL XT HS Human All Exon V6+UTRs | 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

7.1 Precautions for safe handling

| | | |
|----------------------------|--------------------------------------|---|
| Protective measures | : End Repair-A Tailing Enzyme Mix | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| | 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| | Ligation Buffer | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| | 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| | 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). |
| | 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). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or |

Section 7. Handling and storage

Advice on general occupational hygiene

| | |
|--|--|
| <p>SureSelect Post- Capture Primer Mix</p> <p>SureSelect XT HS Index Primer A01-H02</p> <p>SSEL XT HS and XT Low Input Custom Capture Library</p> <p>SSEL XT HS Human All Exon V6+UTRs</p> | <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> <p>Put on appropriate personal protective equipment (see Section 8).</p> |
| <p>: End Repair-A Tailing Enzyme Mix</p> | <p>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.</p> |
| <p>End Repair-A Tailing Buffer</p> | <p>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.</p> |
| <p>T4 DNA Ligase</p> | <p>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.</p> |
| <p>Ligation Buffer</p> | <p>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.</p> |
| <p>Adaptor Oligo Mix</p> | <p>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.</p> |
| <p>Forward Primer</p> | <p>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.</p> |
| <p>dNTP Mix</p> | <p>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</p> |

Section 7. Handling and storage

| | |
|--------------------------------------|---|
| Herculase II Fusion DNA Polymerase | contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. 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. |

Section 7. Handling and storage

| | |
|--|---|
| 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. |
| SureSelect XT HS Index Primer A01-H02 | 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. |
| SSEL XT HS and XT Low Input Custom Capture Library | 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. |
| SSel XT HS Human All Exon V6+UTRs | 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. |

7.2 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 unlabeled 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 unlabeled 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 unlabeled |

Section 7. Handling and storage

| | |
|------------------------------------|--|
| Ligation Buffer | <p>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. Store locked up. 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Adaptor Oligo Mix | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Forward Primer | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| dNTP Mix | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| Herculase II Fusion DNA Polymerase | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |

Section 7. Handling and storage

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

Section 7. Handling and storage

| | |
|--|--|
| SureSelect RNase Block | 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 unlabeled 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 unlabeled 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| SureSelect XT HS Index Primer A01-H02 | 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| SSEL XT HS and XT Low Input Custom Capture Library | 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| SSEL XT HS Human All Exon V6+UTRs | 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 unlabeled |

Section 7. Handling and storage

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

7.3 Specific end use(s)

Recommendations

| | |
|--|---|
| : End Repair-A Tailing Enzyme Mix | Industrial applications, Professional applications. |
| End Repair-A Tailing Buffer | Industrial applications, Professional applications. |
| T4 DNA Ligase | Industrial applications, Professional applications. |
| Ligation Buffer | Industrial applications, Professional applications. |
| Adaptor Oligo Mix | Industrial applications, Professional applications. |
| Forward Primer | Industrial applications, Professional applications. |
| dNTP Mix | Industrial applications, Professional applications. |
| Herculase II Fusion DNA Polymerase | Industrial applications, Professional applications. |
| 5X Herculase II Reaction Buffer | Industrial applications, Professional applications. |
| SureSelect Binding Buffer | Industrial applications, Professional applications. |
| SureSelect Wash Buffer 1 | Industrial applications, Professional applications. |
| SureSelect Wash Buffer 2 | Industrial applications, Professional applications. |
| SureSelect XT HS Blocker Mix | Industrial applications, Professional applications. |
| SureSelect Fast Hybridization Buffer | Industrial applications, Professional applications. |
| SureSelect RNase Block | Industrial applications, Professional applications. |
| SureSelect Post- Capture Primer Mix | Industrial applications, Professional applications. |
| SureSelect XT HS Index Primer A01-H02 | Industrial applications, Professional applications. |
| SSEL XT HS and XT Low Input Custom Capture Library | Industrial applications, Professional applications. |
| SSel XT HS Human All Exon V6+UTRs | Industrial applications, Professional applications. |

Industrial sector specific solutions

| | |
|--|-----------------|
| : 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 A01-H02 | Not applicable. |
| SSEL XT HS and XT Low Input Custom Capture Library | Not applicable. |
| SSel XT HS Human All Exon V6+UTRs | Not applicable. |

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Ingredient name | Exposure limits |
|--|--|
| <p>End Repair-A Tailing Enzyme Mix Glycerol</p> | <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> |
| <p>End Repair-A Tailing Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride Potassium chloride</p> | <p>None. None.</p> |
| <p>T4 DNA Ligase Glycerol</p> | <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> |
| <p>Ligation Buffer Polyethylene glycol Glycerol</p> | <p>AIHA WEEL (United States, 10/2011). TWA: 10 mg/m³ 8 hours. Form: Aerosol OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> |
| <p>Herculase II Fusion DNA Polymerase Glycerol</p> | <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> |
| <p>5X Herculase II Reaction Buffer Trometamol Ammonium sulphate</p> | <p>None. None.</p> |
| <p>SureSelect Binding Buffer Sodium chloride</p> | <p>None.</p> |

Section 8. Exposure controls/personal protection

| | |
|--|---|
| <p>SureSelect Fast Hybridization Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</p> | <p>None.</p> |
| <p>SureSelect RNase Block Glycerol</p> | <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> |
| <p>SSEL XT HS and XT Low Input Custom Capture Library Glycerol</p> | <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 10 mg/m³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> |

8.2 Exposure controls

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: chemical splash goggles.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

- 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

9.1 Information on basic physical and chemical properties

Appearance

| | | |
|-----------------------|---|---|
| Physical state | : | <ul style="list-style-type: none"> 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 Liquid. Polymerase 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 A01-H02 Liquid. SSEL XT HS and XT Low Input Custom Capture Library Liquid. SSel XT HS Human All Exon V6+UTRs Liquid. |
| Color | : | <ul style="list-style-type: none"> 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 Not available. Polymerase 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 A01-H02 Not available. |

Section 9. Physical and chemical properties

| | | |
|-----------------------|--|----------------|
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | SSEL XT HS Human All Exon V6+UTRs | Not available. |
| Odor | : 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 A01-H02 | Not available. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | SSEL XT HS Human All Exon V6+UTRs | Not available. |
| Odor threshold | : 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 A01-H02 | Not available. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | SSEL XT HS Human All Exon V6+UTRs | Not available. |
| pH | : | |

Section 9. Physical and chemical properties

| | |
|--|----------------|
| End Repair-A Tailing Enzyme Mix | 6.5 |
| 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 Polymerase | 7.7 to 8.7 |
| 5X Herculase II Reaction Buffer | 9.5 to 10.5 |
| SureSelect Binding Buffer | 7.5 |
| SureSelect Wash Buffer 1 | 7 |
| SureSelect Wash Buffer 2 | 7 |
| SureSelect XT HS Blocker Mix | 7.5 |
| SureSelect Fast Hybridization Buffer | Not available. |
| SureSelect RNase Block | 7.6 |
| SureSelect Post- Capture Primer Mix | 7.5 |
| SureSelect XT HS Index Primer A01-H02 | 7.5 |
| SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| SSel XT HS Human All Exon V6+UTRs | Not available. |

Melting point

| | |
|--|----------------|
| End Repair-A Tailing Enzyme Mix | Not available. |
| 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 Polymerase | Not available. |
| 5X Herculase II Reaction Buffer | Not available. |
| 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 Mix | 0°C (32°F) |
| SureSelect Fast Hybridization Buffer | Not available. |
| SureSelect RNase Block | Not available. |
| SureSelect Post- Capture Primer Mix | 0°C (32°F) |
| SureSelect XT HS Index Primer A01-H02 | 0°C (32°F) |
| SSEL XT HS and XT Low Input Custom Capture Library | 0°C (32°F) |
| SSel XT HS Human All Exon V6+UTRs | 0°C (32°F) |

Boiling point

| | |
|------------------------------------|----------------|
| End Repair-A Tailing Enzyme Mix | Not available. |
| 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 Polymerase | Not available. |

Section 9. Physical and chemical properties

| | | |
|-------------------------|--|----------------|
| | 5X Herculase II Reaction Buffer | Not available. |
| | 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 Mix | 100°C (212°F) |
| | SureSelect Fast Hybridization Buffer | Not available. |
| | SureSelect RNase Block | Not available. |
| | SureSelect Post- Capture Primer Mix | 100°C (212°F) |
| | SureSelect XT HS Index Primer A01-H02 | 100°C (212°F) |
| | SSEL XT HS and XT Low Input Custom Capture Library | 100°C (212°F) |
| | Ssel XT HS Human All Exon V6+UTRs | 100°C (212°F) |
| Flash point | : 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 A01-H02 | Not available. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | Ssel XT HS Human All Exon V6+UTRs | Not available. |
| Evaporation rate | : 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 | Not available. |

Section 9. Physical and chemical properties

| | | |
|---|--|-----------------|
| | Mix | |
| | SureSelect XT HS Index Primer A01-H02 | Not available. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | SSel XT HS Human All Exon V6+UTRs | Not available. |
| Flammability (solid, gas) | : 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 A01-H02 | Not applicable. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not applicable. |
| | SSel XT HS Human All Exon V6+UTRs | Not applicable. |
| Lower and upper explosive (flammable) limits | : 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 A01-H02 | Not available. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | SSel XT HS Human All Exon V6+UTRs | Not available. |

Section 9. Physical and chemical properties

| | | | |
|-------------------------|----------------------|--|---------------------------------|
| Vapor pressure | : | 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 A01-H02 | Not available. |
| | | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | | SSel XT HS Human All Exon V6+UTRs | Not available. |
| | Vapor density | : | End Repair-A Tailing 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 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 A01-H02 | Not available. |
| | | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | | SSel XT HS Human All Exon V6+UTRs | Not available. |
| Relative density | | : | End Repair-A Tailing 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 Polymerase | Not available. |

Section 9. Physical and chemical properties

| | |
|--|----------------|
| 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 A01-H02 | Not available. |
| SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| Ssel XT HS Human All Exon V6+UTRs | Not available. |

Solubility

| | |
|--|--|
| 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. |
| 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 A01-H02 | Easily soluble in the following materials: cold water and hot water. |
| SSEL XT HS and XT Low Input Custom Capture Library | Easily soluble in the following materials: cold water and hot water. |
| Ssel XT HS Human All Exon V6+UTRs | Easily soluble in the following materials: cold water and hot water. |

Section 9. Physical and chemical properties

| | |
|---|---|
| Partition coefficient: n-octanol/water | <ul style="list-style-type: none"> : 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 A01-H02 Not available. SSEL XT HS and XT Low Input Custom Capture Library Not available. SSel XT HS Human All Exon V6+UTRs Not available. |
| Auto-ignition temperature | <ul style="list-style-type: none"> : 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 A01-H02 Not available. SSEL XT HS and XT Low Input Custom Capture Library Not available. SSel XT HS Human All Exon V6+UTRs Not available. |
| Decomposition temperature | <ul style="list-style-type: none"> : 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. |

Section 9. Physical and chemical properties

| | | |
|------------------|--|----------------|
| | 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 A01-H02 | Not available. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | Ssel XT HS Human All Exon V6+UTRs | Not available. |
| Viscosity | : 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 A01-H02 | Not available. |
| | SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| | Ssel XT HS Human All Exon V6+UTRs | Not available. |

Section 10. Stability and reactivity

| | | |
|------------------------|-----------------------------------|--|
| 10.1 Reactivity | : End Repair-A Tailing Enzyme Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | End Repair-A Tailing Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| | T4 DNA Ligase | No specific test data related to reactivity available for this product or its ingredients. |
| | Ligation Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| | Adaptor Oligo Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | Forward Primer | No specific test data related to reactivity available for this product or its ingredients. |
| | dNTP Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | Herculase II Fusion DNA | No specific test data related to reactivity available |

Section 10. Stability and reactivity

| | |
|--|--|
| Polymerase | for this product or its ingredients. |
| 5X Herculase II Reaction Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect Binding Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect Wash Buffer 1 | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect Wash Buffer 2 | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect XT HS Blocker Mix | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect Fast Hybridization Buffer | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect RNase Block | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect Post- Capture Primer Mix | No specific test data related to reactivity available for this product or its ingredients. |
| SureSelect XT HS Index Primer A01-H02 | No specific test data related to reactivity available for this product or its ingredients. |
| SSEL XT HS and XT Low Input Custom Capture Library | No specific test data related to reactivity available for this product or its ingredients. |
| SSel XT HS Human All Exon V6+UTRs | No specific test data related to reactivity available for this product or its ingredients. |

10.2 Chemical stability

| | |
|--|---|
| End Repair-A Tailing Enzyme Mix | The product is stable. |
| End Repair-A Tailing Buffer | The product is stable. |
| T4 DNA Ligase | The product is stable. |
| Ligation Buffer | The product is stable. |
| Adaptor Oligo Mix | The product is stable. |
| Forward Primer | The product is stable. |
| dNTP Mix | The product is stable. |
| Herculase II Fusion DNA Polymerase | The product is stable. |
| 5X Herculase II Reaction Buffer | The product is stable. |
| SureSelect Binding Buffer | The product is stable. |
| SureSelect Wash Buffer 1 | The product is stable. |
| SureSelect Wash Buffer 2 | The product is stable. |
| SureSelect XT HS Blocker Mix | The product is stable. |
| SureSelect Fast Hybridization Buffer | The product is stable. |
| SureSelect RNase Block | The product is stable. |
| SureSelect Post- Capture Primer Mix | The product is stable. |
| SureSelect XT HS Index Primer A01-H02 | The product is stable. |
| SSEL XT HS and XT Low Input Custom Capture Library | The product is stable. |
| SSel XT HS Human All Exon V6+UTRs | The product may not be stable under certain conditions of storage or use. See "Possibility of Hazardous Reactions" for further information. |

10.3 Possibility of hazardous reactions

| | |
|---------------------------------|---|
| 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, |

Section 10. Stability and reactivity

| | |
|--|---|
| Adaptor Oligo Mix | 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 A01-H02 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SSEL XT HS and XT Low Input Custom Capture Library | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SSEL XT HS Human All Exon V6+UTRs | Under normal conditions of storage and use, hazardous reactions will not occur. |

10.4 Conditions to avoid

| | |
|--|-------------------|
| 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 A01-H02 | No specific data. |
| SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| SSEL XT HS Human All Exon V6+UTRs | No specific data. |

Section 10. Stability and reactivity

| | | |
|------------------------------------|--|--|
| 10.5 Incompatible materials | : End Repair-A Tailing Enzyme Mix | May react or be incompatible with oxidizing materials. |
| | End Repair-A Tailing Buffer | May react or be incompatible with oxidizing materials. |
| | T4 DNA Ligase | May react or be incompatible with oxidizing materials. |
| | Ligation Buffer | May react or be incompatible with oxidizing materials. |
| | Adaptor Oligo Mix | May react or be incompatible with oxidizing materials. |
| | Forward Primer | May react or be incompatible with oxidizing materials. |
| | dNTP Mix | May react or be incompatible with oxidizing materials. |
| | Herculase II Fusion DNA Polymerase | May react or be incompatible with oxidizing materials. |
| | 5X Herculase II Reaction Buffer | May react or be incompatible with oxidizing materials. |
| | SureSelect Binding Buffer | May react or be incompatible with oxidizing materials. |
| | SureSelect Wash Buffer 1 | May react or be incompatible with oxidizing materials. |
| | SureSelect Wash Buffer 2 | May react or be incompatible with oxidizing materials. |
| | SureSelect XT HS Blocker Mix | May react or be incompatible with oxidizing materials. |
| | SureSelect Fast Hybridization Buffer | May react or be incompatible with oxidizing materials. |
| | SureSelect RNase Block | May react or be incompatible with oxidizing materials. |
| | SureSelect Post- Capture Primer Mix | May react or be incompatible with oxidizing materials. |
| | SureSelect XT HS Index Primer A01-H02 | May react or be incompatible with oxidizing materials. |
| | SSEL XT HS and XT Low Input Custom Capture Library | May react or be incompatible with oxidizing materials. |
| | SSEL XT HS Human All Exon V6+UTRs | May react or be incompatible with oxidizing materials. |

| | | |
|--|-----------------------------------|--|
| 10.6 Hazardous decomposition products | : 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. |

Section 10. Stability and reactivity

| | |
|--|---|
| Herculase II Fusion DNA Polymerase | produced. 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. |
| SureSelect Fast Hybridization Buffer | 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 A01-H02 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SSEL XT HS and XT Low Input Custom Capture Library | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SSEL XT HS Human All Exon V6+UTRs | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---|-----------|---------|-------------|----------|
| End Repair-A Tailing Enzyme Mix Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| End Repair-A Tailing Buffer Potassium chloride | LD50 Oral | Rat | 2600 mg/kg | - |
| T4 DNA Ligase Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| Ligation Buffer Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| Herculase II Fusion DNA Polymerase | | | | |

Section 11. Toxicological information

| | | | | |
|---|-------------|-----|-------------|---|
| Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| 5X Herculase II Reaction Buffer | | | | |
| Trometamol | LD50 Dermal | Rat | >5000 mg/kg | - |
| | LD50 Oral | Rat | 5000 mg/kg | - |
| Ammonium sulphate | LD50 Oral | Rat | 2840 mg/kg | - |
| SureSelect Binding Buffer | | | | |
| Sodium chloride | LD50 Oral | Rat | 3000 mg/kg | - |
| SureSelect RNase Block | | | | |
| Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| SSEL XT HS and XT Low Input Custom Capture Library | | | | |
| Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---|----------------------|---------|-------|-------------------------|-------------|
| End Repair-A Tailing Enzyme Mix | | | | | |
| Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| End Repair-A Tailing Buffer | | | | | |
| Potassium chloride | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| T4 DNA Ligase | | | | | |
| Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| Ligation Buffer | | | | | |
| 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 | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| Herculase II Fusion DNA Polymerase | | | | | |
| Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |

Section 11. Toxicological information

| | | | | | |
|---|--------------------------|--------|---|---|---|
| 5X Herculase II Reaction Buffer Trometamol | Skin - Moderate irritant | Rabbit | - | 25 Percent 500 milligrams | - |
| | Skin - Severe irritant | Rabbit | - | | - |
| SureSelect Binding Buffer Sodium chloride | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 milligrams 10 milligrams 24 hours 500 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | | - |
| | Skin - Mild irritant | Rabbit | - | | - |
| SureSelect RNase Block Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams 24 hours 500 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | | - |
| SSEL XT HS and XT Low Input Custom Capture Library Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 milligrams 24 hours 500 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | | - |

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

| Name | Category | Route of exposure | Target organs |
|---|------------|-------------------|------------------------------|
| End Repair-A Tailing Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | Category 3 | Not applicable. | Respiratory tract irritation |
| Ligation Buffer Polyethylene glycol | Category 3 | Not applicable. | Respiratory tract irritation |
| 5X Herculase II Reaction Buffer Trometamol | Category 3 | Not applicable. | Respiratory tract irritation |

Section 11. Toxicological information

| | | | |
|--|------------|-----------------|------------------------------|
| SureSelect Fast Hybridization Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | Category 3 | Not applicable. | Respiratory tract irritation |
|--|------------|-----------------|------------------------------|

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

| | |
|--|--|
| 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. |
| SureSelect XT HS Index Primer A01-H02 | Not available. |
| SSEL XT HS and XT Low Input Custom Capture Library | Not available. |
| SSel XT HS Human All Exon V6+UTRs | Not available. |

Potential acute health effects

Eye contact

| | |
|--------------------------------------|---|
| End Repair-A Tailing Enzyme Mix | Causes eye irritation. |
| End Repair-A Tailing Buffer | No known significant effects or critical hazards. |
| T4 DNA Ligase | Causes eye irritation. |
| Ligation Buffer | Causes eye irritation. |
| 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 | Causes eye irritation. |
| 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. |

Section 11. Toxicological information

| | | |
|---------------------|--|---|
| | SureSelect RNase Block | Causes eye irritation. |
| | SureSelect Post- Capture Primer Mix | No known significant effects or critical hazards. |
| | SureSelect XT HS Index Primer A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | SSel XT HS Human All Exon V6+UTRs | 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 | May cause respiratory irritation. |
| | 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 A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | SSel XT HS Human All Exon V6+UTRs | 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. |
| | 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 A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | SSel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | |
|------------------|--|---|
| Ingestion | : End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer dNTP Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture Primer Mix SureSelect XT HS Index Primer A01-H02 SSEL XT HS and XT Low Input Custom Capture Library SSEL XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |
|------------------|--|---|

Symptoms related to the physical, chemical and toxicological characteristics

| | | |
|--------------------|---|---|
| Eye contact | : End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer dNTP Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block | Adverse symptoms may include the following: irritation watering redness No specific data. Adverse symptoms may include the following: irritation watering redness Adverse symptoms may include the following: irritation watering redness No specific data. No specific data. No specific data. Adverse symptoms may include the following: irritation watering redness No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. Adverse symptoms may include the following: irritation watering |
|--------------------|---|---|

Section 11. Toxicological information

redness

Inhalation

| | |
|--|---|
| SureSelect Post- Capture Primer Mix | No specific data. |
| SureSelect XT HS Index Primer A01-H02 | No specific data. |
| SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| SSel XT HS Human All Exon V6+UTRs | No specific data. |
| : 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 | Adverse symptoms may include the following: respiratory tract irritation coughing |
| 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 A01-H02 | No specific data. |
| SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| SSel XT HS Human All Exon V6+UTRs | No specific data. |

Skin 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 A01-H02 | No specific data. |
| SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |

Section 11. Toxicological information

| | | |
|------------------|--|-------------------|
| | SSel XT HS Human All Exon V6+UTRs | No specific data. |
| Ingestion | : 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 A01-H02 | No specific data. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No specific data. |
| | SSel XT HS Human All Exon V6+UTRs | No specific data. |

Delayed and immediate effects and also 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

| | | |
|----------------|--------------------------------------|---|
| General | : 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 | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | |
|------------------------|--|---|
| | Mix | |
| | SureSelect XT HS Index Primer A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | SSel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |
| Carcinogenicity | : E nd 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 A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | SSel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |
| Mutagenicity | : E nd 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 A01-H02 | No known significant effects or critical hazards. |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| | SSel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | | |
|--|--|---|---|
| Teratogenicity | : 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 A01-H02 | No known significant effects or critical hazards. | |
| | SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. | |
| | SSel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. | |
| | Developmental effects | : 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 A01-H02 | | No known significant effects or critical hazards. | |
| SSEL XT HS and XT Low Input Custom Capture Library | | No known significant effects or critical hazards. | |
| SSel XT HS Human All Exon V6+UTRs | | No known significant effects or critical hazards. | |
| Fertility effects | | : 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. | |

Section 11. Toxicological information

| | |
|--|---|
| 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 A01-H02 | No known significant effects or critical hazards. |
| SSEL XT HS and XT Low Input Custom Capture Library | No known significant effects or critical hazards. |
| Ssel XT HS Human All Exon V6+UTRs | No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value |
|--|----------------|
| End Repair-A Tailing Buffer Oral | 159509.2 mg/kg |
| 5X Herculase II Reaction Buffer Oral | 81278.2 mg/kg |
| SureSelect Binding Buffer Oral | 51369.9 mg/kg |

Section 12. Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|---|--------------------------------------|---|----------|
| End Repair-A Tailing Enzyme Mix Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| End Repair-A Tailing Buffer Potassium chloride | Acute EC50 1337000 µg/l Fresh water | Algae - Navicula seminulum | 96 hours |
| | Acute EC50 9.24 g/L Fresh water | Algae - Desmodesmus subspicatus | 72 hours |
| | Acute EC50 141460 µg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 12.92 mg/l Fresh water | Crustaceans - Pseudosida ramosa - Neonate | 48 hours |
| | Acute LC50 880 mg/l Fresh water | Fish - Pimephales promelas | 96 hours |
| T4 DNA Ligase Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| Ligation Buffer Polyethylene glycol Glycerol | Acute LC50 >1000000 µg/l Fresh water | Fish - Salmo salar - Parr | 96 hours |
| | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |

Section 12. Ecological information

| | | | |
|---|--|--|---|
| Herculase II Fusion DNA Polymerase Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| 5X Herculase II Reaction Buffer Trometamol | Acute EC50 >980 mg/l Fresh water Acute NOEC 520 mg/l Fresh water | Daphnia Daphnia | 48 hours 48 hours |
| Ammonium sulphate | Acute LC50 2.6 mg/l Fresh water Acute LC50 14000 µg/l Fresh water Acute LC50 68 µg/l Fresh water Chronic NOEC 7.5 mg/l Marine water Chronic NOEC 143 µg/l Marine water | Crustaceans - Ceriodaphnia dubia - Young Daphnia - Daphnia magna - Young Fish - Oncorhynchus gorbuscha - Alevin Algae - Phaeodactylum tricornutum - Exponential growth phase Fish - Salmo salar - Post-smolt | 48 hours 48 hours 96 hours 96 hours 5 weeks |
| SureSelect Binding Buffer Sodium chloride | Acute EC50 4.74 g/L Fresh water Acute EC50 519.6 mg/l Fresh water Acute EC50 402600 µg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1000000 µg/l Fresh water Chronic LC10 781 mg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water | Algae - Chlamydomonas reinhardtii Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Aquatic plants - Lemna minor Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult | 96 hours 48 hours 48 hours 96 hours 96 hours 3 weeks 96 hours 21 days 8 weeks |
| SureSelect RNase Block Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |
| SSEL XT HS and XT Low Input Custom Capture Library Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|--|--|----------------|------|----------|
| End Repair-A Tailing Enzyme Mix Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| T4 DNA Ligase Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| Ligation Buffer | | | | |

Section 12. Ecological information

| | | | | |
|---|--|----------------|---|---|
| Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| Herculase II Fusion DNA Polymerase Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| SureSelect RNase Block Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| SSEL XT HS and XT Low Input Custom Capture Library Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| End Repair-A Tailing Buffer Potassium chloride | - | - | Readily |
| 5X Herculase II Reaction Buffer Ammonium sulphate | - | - | Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|-----|-----------|
| End Repair-A Tailing Enzyme Mix Glycerol | -1.76 | - | low |
| End Repair-A Tailing Buffer Potassium chloride | -0.46 | - | low |
| T4 DNA Ligase Glycerol | -1.76 | - | low |
| Ligation Buffer Polyethylene glycol | - | 3.2 | low |
| Glycerol | -1.76 | - | low |
| Herculase II Fusion DNA Polymerase Glycerol | -1.76 | - | low |
| 5X Herculase II Reaction Buffer | | | |

Section 12. Ecological information

| | | | |
|---|-------|---|-----|
| Trometamol | -1.56 | - | low |
| Ammonium sulphate | -5.1 | - | low |
| SureSelect RNase Block | | | |
| Glycerol | -1.76 | - | low |
| SSEL XT HS and XT Low Input Custom Capture Library | | | |
| Glycerol | -1.76 | - | low |

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

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

Section 13. Disposal considerations

13.1 Waste treatment methods

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

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

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

[15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture](#)

U.S. Federal regulations : TSCA 8(a) CDR Exempt/Partial exemption: Not determined
 Clean Water Act (CWA) 311: Edetic acid; Potassium hydroxide

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

[SARA 302/304](#)

[Composition/information on ingredients](#)

No products were found.

SARA 304 RQ : Not applicable.

[SARA 311/312](#)

Classification

| | |
|--|---------------------------------|
| End Repair-A Tailing Enzyme Mix | Immediate (acute) health hazard |
| End Repair-A Tailing Buffer | Not applicable. |
| T4 DNA Ligase | Immediate (acute) health hazard |
| Ligation Buffer | Immediate (acute) health hazard |
| Adaptor Oligo Mix | Not applicable. |
| Forward Primer | Not applicable. |
| dNTP Mix | Not applicable. |
| Herculase II Fusion DNA Polymerase | Immediate (acute) health hazard |
| 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 | Immediate (acute) health hazard |
| SureSelect Post- Capture Primer Mix | Not applicable. |
| SureSelect XT HS Index Primer A01-H02 | Not applicable. |
| SSEL XT HS and XT Low Input Custom Capture Library | Not applicable. |
| SSEL XT HS Human All Exon V6+UTRs | Not applicable. |

[Composition/information on ingredients](#)

Section 15. Regulatory information

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|--|-----------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| End Repair-A Tailing Enzyme Mix Glycerol | ≥50 - ≤75 | No. | No. | No. | Yes. | No. |
| End Repair-A Tailing Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | ≤3 | No. | No. | No. | Yes. | No. |
| Potassium chloride | ≤3 | No. | No. | No. | Yes. | No. |
| T4 DNA Ligase Glycerol | ≥50 - ≤75 | No. | No. | No. | Yes. | No. |
| Ligation Buffer Polyethylene glycol | ≥10 - ≤25 | No. | No. | No. | Yes. | No. |
| Glycerol | ≥10 - ≤25 | No. | No. | No. | Yes. | No. |
| Herculase II Fusion DNA Polymerase Glycerol | ≥50 - ≤75 | No. | No. | No. | Yes. | No. |
| 5X Herculase II Reaction Buffer Trometamol | ≤3 | Yes. | No. | No. | Yes. | No. |
| Ammonium sulphate | ≤3 | No. | No. | No. | Yes. | No. |
| SureSelect Binding Buffer Sodium chloride | <10 | No. | No. | No. | Yes. | No. |
| SureSelect Fast Hybridization Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | ≤3 | No. | No. | No. | Yes. | No. |
| SureSelect RNase Block Glycerol | ≥50 - ≤75 | No. | No. | No. | Yes. | No. |
| SSEL XT HS and XT Low Input Custom Capture Library Glycerol | ≤3 | No. | No. | No. | Yes. | No. |

SARA 313

| | Product name | CAS number | % |
|--|---|------------|----|
| Form R - Reporting requirements | 5X Herculase II Reaction Buffer Ammonium sulphate | 7783-20-2 | ≤3 |
| Supplier notification | 5X Herculase II Reaction Buffer Ammonium sulphate | 7783-20-2 | ≤3 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: GLYCERINE MIST
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL
- Pennsylvania** : The following components are listed: 1,2,3-PROPANETRIOL

Section 15. Regulatory information

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

| | |
|--------------------------|--|
| Australia | : Not determined. |
| Canada | : Not determined. |
| China | : Not determined. |
| Europe | : Not determined. |
| Japan | : Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined. |
| Malaysia | : Not determined. |
| New Zealand | : Not determined. |
| Philippines | : Not determined. |
| Republic of Korea | : Not determined. |
| Taiwan | : Not determined. |
| Thailand | : Not determined. |
| Turkey | : Not determined. |
| United States | : Not determined. |
| Viet Nam | : Not determined. |

Section 16. Other information

History

| | |
|-------------------------------|---------------|
| Date of issue | : 10/30/2017 |
| Date of previous issue | : 06/30/2017. |
| Version | : 1.1 |

Indicates information that has changed from previously issued version.

Notice to reader

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