

SAFETY DATA SHEET



SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

| | |
|--------------------------------|--|
| Product name | : SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S |
| Part no. (chemical kit) | : G9706S |
| Part no. | : <u>SureSelect XT HS and XT Low Input Library Prep Kit for ILM (Pre PCR), 96 Rxn</u> 5500-0140 |
| | End Repair-A Tailing Enzyme Mix 5190-6435 |
| | End Repair-A Tailing Buffer 5190-6436 |
| | T4 DNA Ligase 5190-6437 |
| | Ligation Buffer 5190-6438 |
| | Adaptor Oligo Mix 5190-6439 |
| | Forward Primer 5190-6440 |
| | <u>SureSelect XT HS and XT Low Input Library Prep Kit for ILM (Pre PCR), 96 Rxn /</u> 5500-0140 / 5190-9686 |
| | <u>SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 96 Rxn</u> |
| | 100 mM dNTP Mix (25 mM each dNTP) 200418-51 |
| | Herculase II Fusion DNA Polymerase 5600-3761 |
| | 5X Herculase II Reaction Buffer 600675-52 |
| | <u>SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 1 (Post PCR), 96 Rxn</u> 5190-9687 |
| | SureSelect Binding Buffer 5190-9734 |
| | SureSelect Wash Buffer 1 5190-4408 |
| | SureSelect Wash Buffer 2 5190-4409 |
| | <u>SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 96 Rxn</u> 5190-9686 |
| | SureSelect XT HS and XT Low Input Blocker Mix 5190-9534 |
| | SureSelect Fast Hybridization Buffer 5190-7330 |
| | SureSelect RNase Block 5972-3700 |
| | SureSelect Post-Capture Primer Mix 5190-9732 |
| | <u>SureSelect XT HS Index Primers 1-32 for ILM</u> 5190-9876 |

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

(Pre PCR)
 SureSelect XT HS Index Various*
 Primer A01-H04
SSel XT HS and XT Low 5191-5670
Input Cancer All-In-One
Solid Tumor, 96
Reactions
 SSeI XT HS and XT Low 5191-5670
 Input Cancer All-In-One
 Solid Tumor

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 0.512 ml (96 reactions)
- End Repair-A Tailing Buffer 2.048 ml (96 reactions)
- T4 DNA Ligase 0.256 ml (96 reactions)
- Ligation Buffer 2.944 ml (96 reactions)
- Adaptor Oligo Mix 0.64 - 0.7 ml (96 reactions)
- Forward Primer 0.256 ml (96 reactions)
- 100 mM dNTP Mix (25 mM each dNTP) 0.1 ml
- Herculase II Fusion DNA Polymerase 0.14 ml (96 reactions)
- 5X Herculase II Reaction Buffer 1.5 ml
- SureSelect Binding Buffer 93 ml
- SureSelect Wash Buffer 1 48 ml
- SureSelect Wash Buffer 2 144 ml
- SureSelect XT HS and XT Low Input 0.64 ml (96 reactions)
- Blocker Mix
- SureSelect Fast Hybridization Buffer 0.918 ml
- SureSelect RNase Block 0.08 ml
- SureSelect Post-Capture Primer Mix 0.14 ml (96 reactions)
- SureSelect XT HS Index Primer A01-H04 96 x 0.01 ml (96 reactions)
- SSel XT HS and XT Low Input Cancer All-In-One Solid Tumor 0.2 ml (96 reactions)

1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.
 5500 Lakeside Cheadle Royal Business Park,
 Cheadle, Cheshire, SK8 3GR
 United Kingdom
 Tel: +44 (0) 345 712 5292

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

Note * : *SureSelect XT HS Index Primer A01-H04: 5190-6419, 5190-6420, 5190-6421, 5190-6422, 5190-6423, 5190-6424, 5190-6425, 5190-6426, 5190-6427, 5190-6428, 5190-6429, 5190-6430, 5190-6431, 5190-6432, 5190-6433, 5190-6434, 5190-9740, 5190-9741, 5190-9742, 5190-9743, 5190-9744, 5190-9745, 5190-9746, 5190-9747, 5190-9748, 5190-9749, 5190-9750, 5190-9751, 5190-9752, 5190-9753, 5190-9754, 5190-9755

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

| | | | |
|---------------------------|---|---|---------|
| Product definition | : | 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 |
| | | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input Blocker Mix | Mixture |
| | | SureSelect Fast Hybridization Buffer | Mixture |
| | | SureSelect RNase Block | Mixture |
| | | SureSelect Post-Capture Primer Mix | Mixture |
| | | SureSelect XT HS Index Primer A01-H04 | Mixture |
| | | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Mixture |

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

| | | | |
|--|---|------------------------------------|--|
| Ingredients of unknown toxicity | : | End Repair-A Tailing Enzyme Mix | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60% |
| | | End Repair-A Tailing Buffer | Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% |
| | | T4 DNA Ligase | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% |
| | | Ligation Buffer | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60% |
| | | 100 mM dNTP Mix (25 mM each dNTP) | Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% |
| | | | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% |
| | | | Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10% |
| | | Herculase II Fusion DNA Polymerase | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60% |
| | | 5X Herculase II Reaction Buffer | Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% |
| | | | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% |
| | | SureSelect Binding Buffer | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% |
| | | SureSelect Fast | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% |

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| | | |
|---|---|--|
| | Hybridization Buffer | unknown acute inhalation toxicity: 30 - 60% |
| | SureSelect RNase Block | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60% |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10% |
| Ingredients of unknown ecotoxicity | : 100 mM dNTP Mix (25 mM each dNTP) | Contains 5.4% of components with unknown hazards to the aquatic environment |
| | SureSelect Fast Hybridization Buffer | Contains 31.3% of components with unknown hazards to the aquatic environment |

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

| | | |
|--------------------------|---|---|
| Signal word | : End Repair-A Tailing Enzyme Mix | No signal word. |
| | End Repair-A Tailing Buffer | No signal word. |
| | T4 DNA Ligase | No signal word. |
| | Ligation Buffer | No signal word. |
| | Adaptor Oligo Mix | No signal word. |
| | Forward Primer | No signal word. |
| | 100 mM dNTP Mix (25 mM each dNTP) | No signal word. |
| | Herculase II Fusion DNA Polymerase | No signal word. |
| | 5X Herculase II Reaction Buffer | No signal word. |
| | SureSelect Binding Buffer | No signal word. |
| | SureSelect Wash Buffer 1 | No signal word. |
| | SureSelect Wash Buffer 2 | No signal word. |
| | SureSelect XT HS and XT Low Input Blocker Mix | No signal word. |
| | SureSelect Fast Hybridization Buffer | No signal word. |
| | SureSelect RNase Block | No signal word. |
| | SureSelect Post-Capture Primer Mix | No signal word. |
| | SureSelect XT HS Index Primer A01-H04 | No signal word. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No signal word. |
| Hazard statements | : 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | No known significant effects or critical hazards. |
| | Herculase II Fusion DNA Polymerase | No known significant effects or critical hazards. |
| | 5X Herculase II Reaction | No known significant effects or critical hazards. |

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SECTION 2: Hazards identification

| | |
|---|---|
| Buffer | |
| SureSelect Binding Buffer | No known significant effects or critical hazards. |
| Buffer | |
| 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No known significant effects or critical hazards. |

Precautionary statements

Prevention

| | |
|---|-----------------|
| : 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

Response

| | |
|-----------------------------------|-----------------|
| : 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | Not applicable. |

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| | | |
|-----------------|---|-----------------|
| | 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 and XT Low Input 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-H04 | Not applicable. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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 | Not applicable. |
| | Adaptor Oligo Mix | Not applicable. |
| | Forward Primer | Not applicable. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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 | Not applicable. |
| | Adaptor Oligo Mix | Not applicable. |
| | Forward Primer | Not applicable. |

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SECTION 2: Hazards identification

| | |
|---|-----------------|
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |
| SSel XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

Hazardous ingredients

| | |
|--|-----------------|
| : <input checked="" type="checkbox"/> Herculase II Reaction Buffer | Not applicable. |
| SureSelect Binding Buffer | Not applicable. |

Supplemental label elements

| | |
|---|---|
| : <input checked="" type="checkbox"/> 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | Not applicable. |
| Herculase II Fusion DNA Polymerase | Not applicable. |
| 5X Herculase II Reaction Buffer | Safety data sheet available on request. |
| SureSelect Binding Buffer | Safety data sheet available on request. |
| SureSelect Wash Buffer 1 | Not applicable. |
| SureSelect Wash Buffer 2 | Not applicable. |
| SureSelect XT HS and XT Low Input 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-H04 | Not applicable. |
| SSel XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

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SECTION 2: Hazards identification

| | | | |
|---|---|---|-----------------|
| Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles | : | 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. |
| | : | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |
| | : | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

Special packaging requirements

| | | | |
|----------------------------------|---|---|-----------------|
| Tactile warning of danger | : | 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. |
| | : | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |

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SECTION 2: Hazards identification

SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

| | |
|---|---|
| : End Repair-A Tailing Enzyme Mix | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| End Repair-A Tailing Buffer | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| T4 DNA Ligase | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Ligation Buffer | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Adaptor Oligo Mix | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Forward Primer | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| 100 mM dNTP Mix (25 mM each dNTP) | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| Herculase II Fusion DNA Polymerase | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| 5X Herculase II Reaction Buffer | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect Binding Buffer | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect Wash Buffer 1 | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect Wash Buffer 2 | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect XT HS and XT Low Input Blocker Mix | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect Fast Hybridization Buffer | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect RNase Block | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect Post-Capture Primer Mix | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SureSelect XT HS Index Primer A01-H04 | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | This mixture does not contain any substances that are assessed to be a PBT or a vPvB. |

Other hazards which do not result in classification

| | |
|------------------------------------|-------------|
| : 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 | None known. |

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2
 SureSelect XT HS and XT Low Input 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-H04 None known.
 SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor None known.

SECTION 3: Composition/information on ingredients

3.1 Substances

| | |
|---|---------|
| 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 |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input Blocker Mix | Mixture |
| SureSelect Fast Hybridization Buffer | Mixture |
| SureSelect RNase Block | Mixture |
| SureSelect Post-Capture Primer Mix | Mixture |
| SureSelect XT HS Index Primer A01-H04 | Mixture |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Mixture |

| Product/ingredient name | Identifiers | % | Regulation (EC) No. 1272/2008 [CLP] | Type |
|--|---|-----------|-------------------------------------|------|
| End Repair-A Tailing Enzyme Mix Glycerol | REACH #: Annex V EC: 200-289-5 CAS: 56-81-5 | ≥50 - ≤75 | Not classified. | [2] |
| T4 DNA Ligase Glycerol | REACH #: Annex V EC: 200-289-5 CAS: 56-81-5 | ≥50 - ≤75 | Not classified. | [2] |
| Ligation Buffer Glycerol | REACH #: Annex V EC: 200-289-5 CAS: 56-81-5 | ≥10 - ≤25 | Not classified. | [2] |
| Herculase II Fusion DNA Polymerase Glycerol | REACH #: Annex V EC: 200-289-5 CAS: 56-81-5 | ≥50 - ≤75 | Not classified. | [2] |

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SECTION 3: Composition/information on ingredients

| | | | | |
|--|---|-----------|---|-----|
| 5X Herculase II Reaction Buffer Trometamol | EC: 201-064-4 CAS: 77-86-1 | ≤3 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 | [1] |
| Ammonium sulphate | EC: 231-984-1 CAS: 7783-20-2 | ≤3 | Eye Irrit. 2, H319 | [1] |
| Hexadecan-1-ol, ethoxylated | EC: 500-014-1 CAS: 9004-95-9 | <2.5 | Aquatic Chronic 2, H411 | [1] |
| SureSelect Binding Buffer Sodium chloride | EC: 231-598-3 CAS: 7647-14-5 | <10 | Eye Irrit. 2, H319 | [1] |
| SureSelect RNase Block Glycerol | REACH #: Annex V EC: 200-289-5 CAS: 56-81-5 | ≥50 - ≤75 | Not classified. | [2] |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor Glycerol | REACH #: Annex V EC: 200-289-5 CAS: 56-81-5 | ≤3 | Not classified. | [2] |
| | | | See Section 16 for the full text of the H statements declared above. | |

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

SECTION 4: First aid measures

4.1 Description of 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. Get medical attention if irritation occurs. |
| | End Repair-A Tailing Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | T4 DNA Ligase | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | Ligation Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | Adaptor Oligo Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | Forward Primer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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. |

SECTION 4: First aid measures

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|---|---|
| Herculase II Fusion DNA Polymerase | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| 5X Herculase II Reaction Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Binding Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Wash Buffer 1 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Wash Buffer 2 | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect XT HS and XT Low Input Blocker Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Fast Hybridization Buffer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect RNase Block | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Post-Capture Primer Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect XT HS Index Primer A01-H04 | 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. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| End Repair-A Tailing Enzyme Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| End Repair-A Tailing Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| T4 DNA Ligase | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Ligation Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Adaptor Oligo Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Forward Primer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| 100 mM dNTP Mix (25 mM each dNTP) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| Herculase II Fusion DNA Polymerase | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |

Inhalation

SECTION 4: First aid measures

Skin contact

| | |
|---|---|
| 5X Herculase II Reaction Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| SureSelect Binding Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 1 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 2 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect XT HS and XT Low Input Blocker Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SureSelect Fast Hybridization Buffer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| SureSelect RNase Block | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| 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-H04 | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| : End Repair-A Tailing Enzyme Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| End Repair-A Tailing Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| T4 DNA Ligase | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ligation Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Adaptor Oligo Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Forward Primer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| 100 mM dNTP Mix (25 mM each dNTP) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Herculase II Fusion DNA Polymerase | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| 5X Herculase II Reaction Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |

SECTION 4: First aid measures

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| 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 and XT Low Input Blocker Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect Fast Hybridization Buffer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect RNase Block | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect Post-Capture Primer Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SureSelect XT HS Index Primer A01-H04 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| End Repair-A Tailing Enzyme Mix | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| End Repair-A Tailing Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| T4 DNA Ligase | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Ligation Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Adaptor Oligo Mix | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Forward Primer | Wash out mouth with water. 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Herculase II Fusion DNA | Wash out mouth with water. If material has been swallowed |

Ingestion

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SECTION 4: First aid measures

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| Polymerase | and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| 5X Herculase II Reaction Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Binding Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 1 | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Wash Buffer 2 | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect XT HS and XT Low Input Blocker Mix | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Fast Hybridization Buffer | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect RNase Block | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect Post-Capture Primer Mix | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| SureSelect XT HS Index Primer A01-H04 | Wash out mouth with water. 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. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Wash out mouth with water. 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. |

| | | |
|-----------------------------------|-----------------------------------|--|
| Protection of first-aiders | : End Repair-A Tailing Enzyme Mix | No action shall be taken involving any personal risk or without suitable training. |
| | End Repair-A Tailing Buffer | No action shall be taken involving any personal risk or without suitable training. |
| | T4 DNA Ligase | No action shall be taken involving any personal risk or without suitable training. |
| | Ligation Buffer | No action shall be taken involving any personal risk or without suitable training. |
| | Adaptor Oligo Mix | No action shall be taken involving any personal risk or |

SECTION 4: First aid measures

| | |
|---|--|
| Forward Primer | without suitable training. No action shall be taken involving any personal risk or without suitable training. |
| 100 mM dNTP Mix (25 mM each dNTP) | No action shall be taken involving any personal risk or without suitable training. |
| Herculase II Fusion DNA Polymerase | No action shall be taken involving any personal risk or without suitable training. |
| 5X Herculase II Reaction Buffer | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Binding Buffer | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Wash Buffer 1 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Wash Buffer 2 | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect XT HS and XT Low Input Blocker Mix | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Fast Hybridization Buffer | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect RNase Block | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Post-Capture Primer Mix | No action shall be taken involving any personal risk or without suitable training. |
| SureSelect XT HS Index Primer A01-H04 | No action shall be taken involving any personal risk or without suitable training. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No action shall be taken involving any personal risk or without suitable training. |

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

| | | | |
|--------------------|---|---|---|
| Eye contact | : | End Repair-A Tailing Enzyme Mix | No known significant effects or critical hazards. |
| | | End Repair-A Tailing Buffer | No known significant effects or critical hazards. |
| | | T4 DNA Ligase | No known significant effects or critical hazards. |
| | | Ligation Buffer | No known significant effects or critical hazards. |
| | | Adaptor Oligo Mix | No known significant effects or critical hazards. |
| | | Forward Primer | No known significant effects or critical hazards. |
| | | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |
| | | SSeI XT HS and XT Low Input Cancer All-In-One | No known significant effects or critical hazards. |

SECTION 4: First aid measures

| | | |
|---------------------|---|---|
| | Solid Tumor | |
| Inhalation | : End Repair-A Tailing Enzyme Mix | No known significant effects or critical hazards. |
| | End Repair-A Tailing Buffer | No known significant effects or critical hazards. |
| | T4 DNA Ligase | No known significant effects or critical hazards. |
| | Ligation Buffer | No known significant effects or critical hazards. |
| | Adaptor Oligo Mix | No known significant effects or critical hazards. |
| | Forward Primer | No known significant effects or critical hazards. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |

SECTION 4: First aid measures

| | | |
|------------------|---|---|
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No known significant effects or critical hazards. |

Over-exposure signs/symptoms

| | | |
|--------------------|---|-------------------|
| Eye contact | : End Repair-A Tailing Enzyme Mix | No specific data. |
| | End Repair-A Tailing Buffer | No specific data. |
| | T4 DNA Ligase | No specific data. |
| | Ligation Buffer | No specific data. |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input Blocker Mix | No specific data. |
| | SureSelect Fast Hybridization Buffer | No specific data. |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Post-Capture | No specific data. |

SECTION 4: First aid measures

| | | |
|---------------------|--------------------------|-------------------|
| | Primer Mix | |
| | SureSelect XT HS Index | No specific data. |
| | Primer A01-H04 | |
| | SSeI XT HS and XT Low | No specific data. |
| | Input Cancer All-In-One | |
| | Solid Tumor | |
| Inhalation | : End Repair-A Tailing | No specific data. |
| | Enzyme Mix | |
| | End Repair-A Tailing | No specific data. |
| | Buffer | |
| | T4 DNA Ligase | No specific data. |
| | Ligation Buffer | No specific data. |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | 100 mM dNTP Mix (25 | No specific data. |
| | mM each dNTP) | |
| | Herculase II Fusion DNA | No specific data. |
| | Polymerase | |
| | 5X Herculase II Reaction | No specific data. |
| | Buffer | |
| | SureSelect Binding | No specific data. |
| | Buffer | |
| | SureSelect Wash Buffer | No specific data. |
| | 1 | |
| | SureSelect Wash Buffer | No specific data. |
| | 2 | |
| | SureSelect XT HS and | No specific data. |
| | XT Low Input Blocker Mix | |
| | SureSelect Fast | No specific data. |
| | Hybridization Buffer | |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Post-Capture | No specific data. |
| | Primer Mix | |
| | SureSelect XT HS Index | No specific data. |
| | Primer A01-H04 | |
| | SSeI XT HS and XT Low | No specific data. |
| | Input Cancer All-In-One | |
| | Solid Tumor | |
| Skin contact | : End Repair-A Tailing | No specific data. |
| | Enzyme Mix | |
| | End Repair-A Tailing | No specific data. |
| | Buffer | |
| | T4 DNA Ligase | No specific data. |
| | Ligation Buffer | No specific data. |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | 100 mM dNTP Mix (25 | No specific data. |
| | mM each dNTP) | |
| | Herculase II Fusion DNA | No specific data. |
| | Polymerase | |
| | 5X Herculase II Reaction | No specific data. |
| | Buffer | |
| | SureSelect Binding | No specific data. |
| | Buffer | |
| | SureSelect Wash Buffer | No specific data. |
| | 1 | |
| | SureSelect Wash Buffer | No specific data. |
| | 2 | |
| | SureSelect XT HS and | No specific data. |
| | XT Low Input Blocker Mix | |
| | SureSelect Fast | No specific data. |
| | Hybridization Buffer | |

SECTION 4: First aid measures

| | | |
|------------------|---|-------------------|
| | SureSelect RNase Block | No specific data. |
| | SureSelect Post-Capture Primer Mix | No specific data. |
| | SureSelect XT HS Index Primer A01-H04 | No specific data. |
| | SSel XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No specific data. |
| | SSel XT HS and XT Low Input Cancer All-In-One Solid Tumor | No specific data. |

4.3 Indication of any immediate medical attention and special treatment needed

| | | |
|---------------------------|------------------------------------|---|
| Notes to physician | : End Repair-A Tailing Enzyme Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | End Repair-A Tailing Buffer | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| | T4 DNA Ligase | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Ligation Buffer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Adaptor Oligo Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | Forward Primer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 4: First aid measures

| | |
|---|---|
| SureSelect Binding Buffer | to be kept under medical surveillance for 48 hours. 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 and XT Low Input 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-H04 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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 Ligation Buffer | No specific treatment. |
| : Adaptor Oligo Mix | No specific treatment. |
| : Forward Primer | No specific treatment. |
| : 100 mM dNTP Mix (25 mM each dNTP) | No specific treatment. |
| : Herculase II Fusion DNA Polymerase | No specific treatment. |
| : 5X Herculase II Reaction Buffer | No specific treatment. |
| : SureSelect Binding Buffer | No specific treatment. |
| : SureSelect Wash Buffer 1 | No specific treatment. |
| : SureSelect Wash Buffer 2 | No specific treatment. |
| : SureSelect XT HS and XT Low Input 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-H04 | No specific treatment. |
| : SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No specific treatment. |

SECTION 5: Firefighting measures

5.1 Extinguishing media

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 5: Firefighting measures

| | | | |
|---|---|---|-------------|
| 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. | |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Use an extinguishing agent suitable for the surrounding fire. | |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. | |
| 100 mM dNTP Mix (25 mM each dNTP) | | 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 and XT Low Input 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-H04 | | None known. | |

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SECTION 5: Firefighting measures

SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

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|---|---|
| : 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | In a fire or if heated, a pressure increase will occur and the container may burst. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | In a fire or if heated, a pressure increase will occur and the container may burst. |

Hazardous combustion products

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| : 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. |

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| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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. |
| SureSelect XT HS Index Primer A01-H04 | No specific data. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Decomposition products may include the following materials: carbon dioxide carbon monoxide |

5.3 Advice for firefighters

Special precautions for fire-fighters

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| : 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 |

SECTION 5: Firefighting measures

Special protective equipment for fire-fighters

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| Forward Primer | vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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. |
| SureSelect XT HS and XT Low Input 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-H04 | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) |

SECTION 5: Firefighting measures

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| Adaptor Oligo Mix | conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 100 mM dNTP Mix (25 mM each dNTP) | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| Herculase II Fusion DNA Polymerase | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 5X Herculase II Reaction Buffer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SureSelect XT HS and XT Low Input 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SureSelect RNase Block | Fire-fighters should wear appropriate protective equipment |

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SECTION 5: Firefighting measures

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| SureSelect Post-Capture Primer Mix | and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SureSelect XT HS Index Primer A01-H04 | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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| 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 spilt material. Put on appropriate personal protective equipment. |
| | End Repair-A Tailing Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | T4 DNA Ligase | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Ligation Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Adaptor Oligo Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Forward Primer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | 100 mM dNTP Mix (25 mM each dNTP) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Herculase II Fusion DNA | No action shall be taken involving any personal risk or |

SECTION 6: Accidental release measures

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| Polymerase | without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| 5X Herculase II Reaction Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Binding Buffer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Wash Buffer 1 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Wash Buffer 2 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect XT HS and XT Low Input 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 spilt 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 spilt material. Put on appropriate personal protective equipment. |
| SureSelect RNase Block | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect Post-Capture Primer Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SureSelect XT HS Index Primer A01-H04 | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| For emergency responders | |
| : End Repair-A Tailing Enzyme Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| End Repair-A Tailing Buffer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| T4 DNA Ligase | If specialised clothing is required to deal with the spillage, |

SECTION 6: Accidental release measures

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| | take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Ligation Buffer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Adaptor Oligo Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Forward Primer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| 100 mM dNTP Mix (25 mM each dNTP) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Herculase II Fusion DNA Polymerase | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| 5X Herculase II Reaction Buffer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Binding Buffer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Wash Buffer 1 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Wash Buffer 2 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect XT HS and XT Low Input Blocker Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Fast Hybridization Buffer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect RNase Block | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Post-Capture Primer Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect XT HS Index Primer A01-H04 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

SECTION 6: Accidental release measures

6.2 Environmental precautions

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| : End Repair-A Tailing Enzyme Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| End Repair-A Tailing Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| T4 DNA Ligase | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Ligation Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Adaptor Oligo Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Forward Primer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| 100 mM dNTP Mix (25 mM each dNTP) | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| Herculase II Fusion DNA Polymerase | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| 5X Herculase II Reaction Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Binding Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Wash Buffer 1 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Wash Buffer 2 | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect XT HS and XT Low Input Blocker Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Fast Hybridization Buffer | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect RNase Block | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SureSelect Post-Capture Primer Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant |

SECTION 6: Accidental release measures

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| SureSelect XT HS Index Primer A01-H04 | authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |

6.3 Methods and material for containment and cleaning up

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| 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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. |

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SECTION 6: Accidental release measures

| | |
|---|---|
| SureSelect Wash Buffer 1 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect Wash Buffer 2 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SureSelect XT HS and XT Low Input 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-H04 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |

6.4 Reference to other sections : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

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). |
| | | End Repair-A Tailing Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | | T4 DNA Ligase | Put on appropriate personal protective equipment (see Section 8). |
| | | Ligation Buffer | Put on appropriate personal protective equipment (see Section 8). |
| | | Adaptor Oligo Mix | Put on appropriate personal protective equipment (see Section 8). |
| | | Forward Primer | Put on appropriate personal protective equipment (see Section 8). |
| | | 100 mM dNTP Mix (25 mM each dNTP) | Put on appropriate personal protective equipment (see Section 8). |
| | | Herculase II Fusion DNA | Put on appropriate personal protective equipment (see Section 8). |

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SECTION 7: Handling and storage

| | |
|---|---|
| Polymerase | Section 8). |
| 5X Herculase II Reaction Buffer | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Binding Buffer | Put on appropriate personal protective equipment (see Section 8). |
| 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 and XT Low Input Blocker Mix | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Fast Hybridization Buffer | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect RNase Block | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Post-Capture Primer Mix | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect XT HS Index Primer A01-H04 | Put on appropriate personal protective equipment (see Section 8). |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Put on appropriate personal protective equipment (see Section 8). |
| Advice on general occupational hygiene : End Repair-A Tailing Enzyme Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| End Repair-A Tailing Buffer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| T4 DNA Ligase | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Ligation Buffer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Adaptor Oligo Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Forward Primer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 7: Handling and storage

| | |
|---|--|
| Herculase II Fusion DNA Polymerase | <p>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.</p> |
| 5X Herculase II Reaction Buffer | <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> |
| SureSelect Binding Buffer | <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> |
| SureSelect Wash Buffer 1 | <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> |
| SureSelect Wash Buffer 2 | <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> |
| SureSelect XT HS and XT Low Input Blocker Mix | <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> |
| SureSelect Fast Hybridization Buffer | <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> |
| SureSelect RNase Block | <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> |
| SureSelect Post-Capture Primer Mix | <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> |
| SureSelect XT HS Index Primer A01-H04 | <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> |
| SSeI XT HS and XT Low Input Cancer All-In-One | <p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.</p> |

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SECTION 7: Handling and storage

Solid Tumor

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

Storage

: End Repair-A Tailing
Enzyme Mix

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

End Repair-A Tailing
Buffer

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

T4 DNA Ligase

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

Ligation Buffer

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

Adaptor Oligo Mix

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

Forward Primer

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to

SECTION 7: Handling and storage

| | |
|------------------------------------|---|
| | prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| 100 mM dNTP Mix (25 mM each dNTP) | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| Herculase II Fusion DNA Polymerase | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| 5X Herculase II Reaction Buffer | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| SureSelect Binding Buffer | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |
| SureSelect Wash Buffer 1 | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. |

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| | |
|---|---|
| SureSelect XT HS and XT Low Input Blocker Mix | <p>before handling or use.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| SureSelect Fast Hybridization Buffer | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| SureSelect RNase Block | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| SureSelect Post-Capture Primer 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| SureSelect XT HS Index Primer A01-H04 | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p> |

SECTION 7: Handling and storage

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. |
| | | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Industrial applications, Professional applications. |
| | | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Industrial applications, Professional applications. |
| Industrial sector specific solutions | : | 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. |
| | | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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 | Not available. |

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SECTION 7: Handling and storage

Primer A01-H04
 SSeI XT HS and XT Low Not available.
 Input Cancer All-In-One
 Solid Tumor

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Product/ingredient name | Exposure limit values |
|---|---|
| End Repair-A Tailing Enzyme Mix Glycerol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 mg/m ³ 8 hours. Form: Mist |
| T4 DNA Ligase Glycerol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 mg/m ³ 8 hours. Form: Mist |
| Ligation Buffer Glycerol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 mg/m ³ 8 hours. Form: Mist |
| Herculase II Fusion DNA Polymerase Glycerol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 mg/m ³ 8 hours. Form: Mist |
| SureSelect RNase Block Glycerol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 mg/m ³ 8 hours. Form: Mist |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor Glycerol | EH40/2005 WELs (United Kingdom (UK), 1/2020). TWA: 10 mg/m ³ 8 hours. Form: Mist |

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

| Product/ingredient name | Type | Exposure | Value | Population | Effects |
|--|------|----------------------|-------------------------|--------------------|----------|
| Herculase II Reaction Buffer Trometamol | DNEL | Long term Oral | 8.3 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 29 mg/m ³ | General population | Systemic |
| | DNEL | Long term Dermal | 83.3 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 117.5 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 166.7 mg/kg bw/day | Workers | Systemic |

SECTION 8: Exposure controls/personal protection

| | | | | | |
|---|------|-----------------------|---------------------------|--------------------|----------|
| Ammonium sulphate | DNEL | Long term Inhalation | 1.667 mg/m ³ | General population | Systemic |
| | DNEL | Long term Oral | 6.4 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Inhalation | 11.167 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Dermal | 12.8 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 42.667 mg/kg bw/day | Workers | Systemic |
| SureSelect Binding Buffer Sodium chloride | DNEL | Short term Oral | 126.65 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Oral | 126.65 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 126.65 mg/kg bw/day | General population | Systemic |
| | DNEL | Long term Dermal | 126.65 mg/kg bw/day | General population | Systemic |
| | DNEL | Short term Dermal | 295.52 mg/kg bw/day | Workers | Systemic |
| | DNEL | Long term Dermal | 295.52 mg/kg bw/day | Workers | Systemic |
| | DNEL | Short term Inhalation | 443.28 mg/m ³ | General population | Systemic |
| | DNEL | Long term Inhalation | 443.28 mg/m ³ | General population | Systemic |
| | DNEL | Short term Inhalation | 2068.62 mg/m ³ | Workers | Systemic |
| | DNEL | Long term Inhalation | 2068.62 mg/m ³ | Workers | Systemic |

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

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

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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SECTION 8: Exposure controls/personal protection

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

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

| | | | | |
|-----------------------|---------------|---|------------------------------------|----------------|
| Physical state | : | 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. | |
| | : | 100 mM dNTP Mix (25 mM each dNTP) | Liquid. | |
| | : | Herculase II Fusion DNA Polymerase | Liquid. | |
| | : | 5X Herculase II Reaction Buffer | Liquid. | |
| | : | SureSelect Binding Buffer | Liquid. | |
| | : | SureSelect Wash Buffer 1 | Liquid. | |
| | : | SureSelect Wash Buffer 2 | Liquid. | |
| | : | SureSelect XT HS and XT Low Input Blocker Mix | Liquid. | |
| | : | SureSelect Fast Hybridization Buffer | Liquid. | |
| | : | SureSelect RNase Block | Liquid. | |
| | : | SureSelect Post-Capture Primer Mix | Liquid. | |
| | : | SureSelect XT HS Index Primer A01-H04 | Liquid. | |
| | : | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Liquid. | |
| | Colour | : | 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. |
| | | : | 100 mM dNTP Mix (25 mM each dNTP) | Not available. |
| | | : | Herculase II Fusion DNA Polymerase | Not available. |
| | | : | 5X Herculase II Reaction Buffer | Not available. |
| : | | SureSelect Binding | Not available. | |

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SECTION 9: Physical and chemical properties

| | | |
|------------------------|---|----------------|
| | Buffer | |
| | SureSelect Wash Buffer 1 | Not available. |
| | SureSelect Wash Buffer 2 | Not available. |
| | SureSelect XT HS and XT Low Input 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-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |
| Odour | : 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |
| Odour 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | Not available. |
| | Herculase II Fusion DNA Polymerase | Not available. |
| | 5X Herculase II Reaction Buffer | Not available. |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | | |
|--|---|----------------|
| | SureSelect Binding Buffer | Not available. |
| | SureSelect Wash Buffer 1 | Not available. |
| | SureSelect Wash Buffer 2 | Not available. |
| | SureSelect XT HS and XT Low Input 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-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |
| Melting point/freezing point | : End Repair-A Tailing Enzyme Mix | Not available. |
| | End Repair-A Tailing Buffer | 0°C |
| | T4 DNA Ligase | Not available. |
| | Ligation Buffer | Not available. |
| | Adaptor Oligo Mix | 0°C |
| | Forward Primer | 0°C |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 |
| | SureSelect Wash Buffer 2 | 0°C |
| | SureSelect XT HS and XT Low Input Blocker Mix | 0°C |
| | SureSelect Fast Hybridization Buffer | Not available. |
| | SureSelect RNase Block | Not available. |
| | SureSelect Post-Capture Primer Mix | 0°C |
| | SureSelect XT HS Index Primer A01-H04 | 0°C |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 0°C |
| Initial boiling point and boiling range | : 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) |
| | 100 mM dNTP Mix (25 mM each dNTP) | Not available. |
| | Herculase II Fusion DNA Polymerase | Not available. |
| | 5X Herculase II Reaction | Not available. |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | |
|---|----------------|
| Buffer | |
| SureSelect Binding | Not available. |
| Buffer | |
| SureSelect Wash Buffer 1 | 100°C (212°F) |
| SureSelect Wash Buffer 2 | 100°C (212°F) |
| SureSelect XT HS and XT Low Input Blocker Mix | 100°C (212°F) |
| SureSelect Fast | Not available. |
| Hybridization Buffer | |
| SureSelect RNase Block | Not available. |
| SureSelect Post-Capture Primer Mix | 100°C (212°F) |
| SureSelect XT HS Index Primer A01-H04 | 100°C (212°F) |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 100°C (212°F) |

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. |
| 100 mM dNTP Mix (25 mM each dNTP) | Not applicable. |
| Herculase II Fusion DNA Polymerase | Not applicable. |
| 5X Herculase II Reaction Buffer | Not applicable. |
| SureSelect Binding | Not applicable. |
| Buffer | |
| SureSelect Wash Buffer 1 | Not applicable. |
| SureSelect Wash Buffer 2 | Not applicable. |
| SureSelect XT HS and XT Low Input Blocker Mix | Not applicable. |
| SureSelect Fast | Not applicable. |
| Hybridization Buffer | |
| SureSelect RNase Block | Not applicable. |
| SureSelect Post-Capture Primer Mix | Not applicable. |
| SureSelect XT HS Index Primer A01-H04 | Not applicable. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

Upper/lower flammability or explosive 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | Not available. |
| Herculase II Fusion DNA Polymerase | Not available. |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

5X Herculase II Reaction Not available.
 Buffer
 SureSelect Binding Not available.
 Buffer
 SureSelect Wash Buffer 1 Not available.
 SureSelect Wash Buffer 2 Not available.
 SureSelect XT HS and XT Low Input Blocker Mix Not available.
 SureSelect Fast Not available.
 Hybridization Buffer
 SureSelect RNase Block Not available.
 SureSelect Post-Capture Not available.
 Primer Mix
 SureSelect XT HS Index Not available.
 Primer A01-H04
 SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor Not available.

Flash point :

| Ingredient name | Closed cup | | | Open cup | | |
|--|------------|--------------|----------------|------------|----------------|--------|
| | °C | °F | Method | °C | °F | Method |
| End Repair-A Tailing Enzyme Mix | | | | | | |
| (R*, R*) -1,4-Dimercaptobutane-2,3-diol | >110 | >230 | | | | |
| Glycerol | | | Pensky-Martens | 177 | 350.6 | |
| End Repair-A Tailing Buffer | | | | | | |
| (R*, R*) -1,4-Dimercaptobutane-2,3-diol | >110 | >230 | | | | |
| T4 DNA Ligase | | | | | | |
| (R*, R*) -1,4-Dimercaptobutane-2,3-diol | >110 | >230 | | | | |
| Glycerol | | | Pensky-Martens | 177 | 350.6 | |
| Ligation Buffer | | | | | | |
| (R*, R*) -1,4-Dimercaptobutane-2,3-diol | >110 | >230 | | | | |
| Polyethylene glycol | 171 to 235 | 339.8 to 455 | | 199 to 238 | 390.2 to 460.4 | |
| Adaptor Oligo Mix | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| Forward Primer | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| 100 mM dNTP Mix (25 mM each dNTP) | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | | | | | | |
|--|------|------|----------------|-----|--|-------|
| Herculase II Fusion DNA Polymerase | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| (R*,R*) -1,4-Dimercaptobutane-2,3-diol | >110 | >230 | | | | |
| SureSelect Binding Buffer | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| SureSelect Wash Buffer 1 | | | | | | |
| Citric acid, trisodium salt, dihydrate | >100 | >212 | | | | |
| SureSelect Wash Buffer 2 | | | | | | |
| Citric acid, trisodium salt, dihydrate | >100 | >212 | | | | |
| SureSelect XT HS and XT Low Input Blocker Mix | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| SureSelect RNase Block | | | | | | |
| (R*,R*) -1,4-Dimercaptobutane-2,3-diol | >110 | >230 | | | | |
| Glycerol | | | Pensky-Martens | 177 | | 350.6 |
| SureSelect Post-Capture Primer Mix | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| SureSelect XT HS Index Primer A01-H04 | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | | | | | | |
| Edetic acid | >100 | >212 | DIN 51758 | | | |
| (R*,R*) -1,4-Dimercaptobutane-2,3-diol | >110 | >230 | | | | |

Auto-ignition temperature :

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| Ingredient name | °C | °F | Method |
|--|-------|-------|----------|
| End Repair-A Tailing Enzyme Mix | | | |
| Glycerol | 370 | 698 | |
| T4 DNA Ligase | | | |
| Glycerol | 370 | 698 | |
| Ligation Buffer | | | |
| Polyethylene glycol | 360 | 680 | |
| Glycerol | 370 | 698 | |
| Adaptor Oligo Mix | | | |
| Edetic acid | >400 | >752 | VDI 2263 |
| Forward Primer | | | |
| Edetic acid | >400 | >752 | VDI 2263 |
| 100 mM dNTP Mix (25 mM each dNTP) | | | |
| Edetic acid | >400 | >752 | VDI 2263 |
| Herculase II Fusion DNA Polymerase | | | |
| Glycerol | 370 | 698 | |
| Edetic acid | >400 | >752 | VDI 2263 |
| SureSelect Binding Buffer | | | |
| Edetic acid | >400 | >752 | VDI 2263 |
| SureSelect Wash Buffer 1 | | | |
| Sodium dodecyl sulphate | 310.5 | 590.9 | VDI 2263 |
| SureSelect Wash Buffer 2 | | | |
| Sodium dodecyl sulphate | 310.5 | 590.9 | VDI 2263 |
| SureSelect XT HS and XT Low Input Blocker Mix | | | |
| Edetic acid | >400 | >752 | VDI 2263 |
| SureSelect RNase Block | | | |
| Glycerol | 370 | 698 | |
| 4-(2-Hydroxyethyl)piperazin-1-ylethanesulphonic acid | >400 | >752 | EU A.16 |
| SureSelect Post-Capture Primer Mix | | | |
| Edetic acid | >400 | >752 | VDI 2263 |
| SureSelect XT HS Index Primer A01-H04 | | | |
| Edetic acid | >400 | >752 | VDI 2263 |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | | | |
|--|------|------|---------|
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | | | |
| Glycerol | 370 | 698 | |
| 4-(2-Hydroxyethyl)piperazin-1-ylethanesulphonic acid | >400 | >752 | EU A.16 |

Decomposition temperature

| | |
|---|----------------|
| : 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not available. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |

pH

| | |
|---|----------------|
| : 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 |
| 100 mM dNTP Mix (25 mM each dNTP) | 7.5 |
| Herculase II Fusion DNA Polymerase | 8.2 |
| 5X Herculase II Reaction Buffer | 9.5 to 10.5 |
| SureSelect Binding Buffer | 7.5 |
| SureSelect Wash Buffer 1 | 7.5 |
| SureSelect Wash Buffer 2 | 7 |
| SureSelect XT HS and XT Low Input Blocker Mix | 7.5 |
| SureSelect Fast Hybridization Buffer | Not available. |
| SureSelect RNase Block | 7.6 |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | | |
|------------------------|---|--|
| | SureSelect Post-Capture Primer Mix | 7.5 |
| | SureSelect XT HS Index Primer A01-H04 | 7.5 |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |
| Solubility(ies) | : End Repair-A Tailing Enzyme Mix | Easily 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 | Easily soluble in the following materials: cold water and hot water. |
| | Ligation Buffer | Easily 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | Easily soluble in the following materials: cold water and hot water. |
| | Herculase II Fusion DNA Polymerase | Easily 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 | Easily soluble in the following materials: cold water and hot water. |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | |
|---|--|
| 2 | water. |
| SureSelect XT HS and XT Low Input Blocker Mix | Easily soluble in the following materials: cold water and hot water. |
| SureSelect Fast Hybridization Buffer | Easily soluble in the following materials: cold water and hot water. |
| SureSelect RNase Block | Easily 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-H04 | Easily soluble in the following materials: cold water and hot water. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Easily soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-octanol/water : | |
| 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

Vapour pressure :

| Ingredient name | Vapour Pressure at 20°C | | | Vapour pressure at 50°C | | |
|--|-------------------------|---------|--------|-------------------------|---------|--------|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
| End Repair-A Tailing Enzyme Mix | | | | | | |
| Water | 23.8 | 3.2 | | 92.258 | 12.3 | |
| Adenosine 5'-(tetrahydrogen triphosphate), disodium salt | <0.00075006 | <0.0001 | | <0.00075006 | <0.0001 | |
| End Repair-A Tailing Buffer | | | | | | |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | | | | |
|--|-------------|-----------|-------------|----------|
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Adenosine 5'-(tetrahydrogen triphosphate), disodium salt | <0.00075006 | <0.0001 | <0.00075006 | <0.0001 |
| T4 DNA Ligase | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Glycerol | 0.000075 | 0.00001 | 0.0025 | 0.00033 |
| Ligation Buffer | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Glycerol | 0.000075 | 0.00001 | 0.0025 | 0.00033 |
| Adaptor Oligo Mix | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| Forward Primer | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| 100 mM dNTP Mix (25 mM each dNTP) | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| Herculase II Fusion DNA Polymerase | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Glycerol | 0.000075 | 0.00001 | 0.0025 | 0.00033 |
| 5X Herculase II Reaction Buffer | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Sulfuric acid, magnesium salt, hydrate (1:1:7) | <0.1 | <0.013 | | |
| SureSelect Binding Buffer | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| SureSelect Wash Buffer 1 | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | | | | |
|--|------------|-----------|-------------|----------|
| Sodium dodecyl sulphate | ≤0.0013501 | ≤0.00018 | | |
| SureSelect Wash Buffer 2 | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Sodium dodecyl sulphate | ≤0.0013501 | ≤0.00018 | | |
| SureSelect XT HS and XT Low Input Blocker Mix | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| SureSelect Fast Hybridization Buffer | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| SureSelect RNase Block | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Glycerol | 0.000075 | 0.00001 | 0.0025 | 0.00033 |
| SureSelect Post-Capture Primer Mix | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| SureSelect XT HS Index Primer A01-H04 | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride | 0.000027 | 0.0000036 | 0.000007501 | 0.000001 |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | | | | |
| Water | 23.8 | 3.2 | 92.258 | 12.3 |
| Glycerol | 0.000075 | 0.00001 | 0.0025 | 0.00033 |

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.
- : 100 mM dNTP Mix (25 mM each dNTP) Not available.
- : Herculase II Fusion DNA Not available.

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | | |
|-------------------------|---|----------------|
| | 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 and XT Low Input 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-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |
| Relative density | : 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |
| Vapour density | : 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | Not available. |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

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 and XT Low Input 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-H04 Not available.
 SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor Not available.

Oxidising properties

: End Repair-A Tailing Enzyme Mix Not available.
 End Repair-A Tailing Buffer Not available.
 T4 DNA Ligase Ligation Buffer Not available.
 Adaptor Oligo Mix Forward Primer Not available.
 100 mM dNTP Mix (25 mM each dNTP) 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 and XT Low Input 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-H04 Not available.
 SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor Not available.

Particle characteristics

Median particle size

: End Repair-A Tailing Enzyme Mix Not applicable.
 End Repair-A Tailing Buffer Not applicable.
 T4 DNA Ligase Ligation Buffer Not applicable.
 Adaptor Oligo Mix Not applicable.

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 9: Physical and chemical properties

| | |
|---|-----------------|
| Forward Primer | Not applicable. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

9.2 Other information

No additional information.

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. |
| 100 mM dNTP Mix (25 mM each dNTP) | No specific test data related to reactivity available for this product or its ingredients. |
| Herculase II Fusion DNA Polymerase | No specific test data related to reactivity available 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 and XT Low Input 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. |

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SECTION 10: Stability and reactivity

| | |
|---|--|
| SureSelect XT HS Index Primer A01-H04 | No specific test data related to reactivity available for this product or its ingredients. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | The product is stable. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | The product is stable. |

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, hazardous reactions will not occur. |
| Adaptor Oligo Mix | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Forward Primer | Under normal conditions of storage and use, hazardous reactions will not occur. |
| 100 mM dNTP Mix (25 mM each dNTP) | 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 | Under normal conditions of storage and use, hazardous reactions will not occur. |

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 10: Stability and reactivity

| | |
|---|---|
| 2 | reactions will not occur. |
| SureSelect XT HS and XT Low Input 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-H04 | Under normal conditions of storage and use, hazardous reactions will not occur. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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 Ligation Buffer | No specific data. |
| | | Adaptor Oligo Mix Forward Primer | No specific data. |
| | | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No specific data. |
| | | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No specific data. |

| | | | |
|------------------------------------|---|---------------------------------------|--|
| 10.5 Incompatible materials | : | End Repair-A Tailing Enzyme Mix | May react or be incompatible with oxidising materials. |
| | | End Repair-A Tailing Buffer | May react or be incompatible with oxidising materials. |
| | | T4 DNA Ligase Ligation Buffer | May react or be incompatible with oxidising materials. |
| | | Adaptor Oligo Mix Forward Primer | May react or be incompatible with oxidising materials. |
| | | 100 mM dNTP Mix (25 mM each dNTP) | May react or be incompatible with oxidising materials. |
| | | Herculase II Fusion DNA Polymerase | May react or be incompatible with oxidising materials. |
| | | 5X Herculase II Reaction Buffer | May react or be incompatible with oxidising materials. |

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SECTION 10: Stability and reactivity

| | |
|---|--|
| SureSelect Binding Buffer | May react or be incompatible with oxidising materials. |
| SureSelect Wash Buffer 1 | May react or be incompatible with oxidising materials. |
| SureSelect Wash Buffer 2 | May react or be incompatible with oxidising materials. |
| SureSelect XT HS and XT Low Input Blocker Mix | May react or be incompatible with oxidising materials. |
| SureSelect Fast Hybridization Buffer | May react or be incompatible with oxidising materials. |
| SureSelect RNase Block | May react or be incompatible with oxidising materials. |
| SureSelect Post-Capture Primer Mix | May react or be incompatible with oxidising materials. |
| SureSelect XT HS Index Primer A01-H04 | May react or be incompatible with oxidising materials. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | May react or be incompatible with oxidising 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. |
| 100 mM dNTP Mix (25 mM each dNTP) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Herculase II Fusion DNA Polymerase | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| 5X Herculase II Reaction Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Binding Buffer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Wash Buffer 1 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect Wash Buffer 2 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SureSelect XT HS and XT Low Input 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-H04 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--|-------------|---------|-------------|----------|
| 5X Herculase II Reaction Buffer | | | | |
| Trometamol | LD50 Dermal | Rat | >5000 mg/kg | - |
| Ammonium sulphate | LD50 Oral | Rat | 2840 mg/kg | - |
| Hexadecan-1-ol, ethoxylated | LD50 Oral | Rat | 2500 mg/kg | - |
| SureSelect Binding Buffer | | | | |
| Sodium chloride | LD50 Oral | Rat | 3000 mg/kg | - |

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| 5X Herculase II Reaction Buffer | | | | | |
| Ammonium sulphate | 2840 | N/A | N/A | N/A | N/A |
| Hexadecan-1-ol, ethoxylated | 2500 | N/A | N/A | N/A | N/A |
| SureSelect Binding Buffer | | | | | |
| Sodium chloride | 3000 | N/A | N/A | N/A | N/A |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--|--------------------------|---------|-------|-----------------|-------------|
| 5X Herculase II Reaction Buffer | | | | | |
| Trometamol | Skin - Moderate irritant | Rabbit | - | 25 % | - |
| | Skin - Severe irritant | Rabbit | - | 500 mg | - |
| SureSelect Binding Buffer | | | | | |
| Sodium chloride | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 mg | - |
| | Eyes - Moderate irritant | Rabbit | - | 10 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

SECTION 11: Toxicological information

| | | |
|---|---|--|
| Information on 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |

Potential acute health effects

| | | |
|-------------------|---|---|
| Inhalation | : End Repair-A Tailing Enzyme Mix | No known significant effects or critical hazards. |
| | End Repair-A Tailing Buffer | No known significant effects or critical hazards. |
| | T4 DNA Ligase | No known significant effects or critical hazards. |
| | Ligation Buffer | No known significant effects or critical hazards. |
| | Adaptor Oligo Mix | No known significant effects or critical hazards. |
| | Forward Primer | No known significant effects or critical hazards. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |

SECTION 11: Toxicological information

| | | |
|---------------------|---|---|
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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. |

SECTION 11: Toxicological information

| | | |
|--------------------|---|---|
| | SureSelect XT HS Index Primer A01-H04 | No known significant effects or critical hazards. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No known significant effects or critical hazards. |
| Eye contact | : End Repair-A Tailing Enzyme Mix | No known significant effects or critical hazards. |
| | End Repair-A Tailing Buffer | No known significant effects or critical hazards. |
| | T4 DNA Ligase | No known significant effects or critical hazards. |
| | Ligation Buffer | No known significant effects or critical hazards. |
| | Adaptor Oligo Mix | No known significant effects or critical hazards. |
| | Forward Primer | No known significant effects or critical hazards. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

| | | |
|-------------------|---|-------------------|
| 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 | No specific data. |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input Blocker Mix | No specific data. |
| | SureSelect Fast Hybridization Buffer | No specific data. |

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SECTION 11: Toxicological information

| | | |
|---------------------|--------------------------|-------------------|
| | SureSelect RNase Block | No specific data. |
| | SureSelect Post-Capture | No specific data. |
| | Primer Mix | |
| | SureSelect XT HS Index | No specific data. |
| | Primer A01-H04 | |
| | SSeI XT HS and XT Low | No specific data. |
| | Input Cancer All-In-One | |
| | Solid Tumor | |
| Ingestion | : End Repair-A Tailing | No specific data. |
| | Enzyme Mix | |
| | End Repair-A Tailing | No specific data. |
| | Buffer | |
| | T4 DNA Ligase | No specific data. |
| | Ligation Buffer | No specific data. |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | 100 mM dNTP Mix (25 | No specific data. |
| | mM each dNTP) | |
| | Herculase II Fusion DNA | No specific data. |
| | Polymerase | |
| | 5X Herculase II Reaction | No specific data. |
| | Buffer | |
| | SureSelect Binding | No specific data. |
| | Buffer | |
| | SureSelect Wash Buffer | No specific data. |
| | 1 | |
| | SureSelect Wash Buffer | No specific data. |
| | 2 | |
| | SureSelect XT HS and | No specific data. |
| | XT Low Input Blocker Mix | |
| | SureSelect Fast | No specific data. |
| | Hybridization Buffer | |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Post-Capture | No specific data. |
| | Primer Mix | |
| | SureSelect XT HS Index | No specific data. |
| | Primer A01-H04 | |
| | SSeI XT HS and XT Low | No specific data. |
| | Input Cancer All-In-One | |
| | Solid Tumor | |
| Skin contact | : End Repair-A Tailing | No specific data. |
| | Enzyme Mix | |
| | End Repair-A Tailing | No specific data. |
| | Buffer | |
| | T4 DNA Ligase | No specific data. |
| | Ligation Buffer | No specific data. |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | 100 mM dNTP Mix (25 | No specific data. |
| | mM each dNTP) | |
| | Herculase II Fusion DNA | No specific data. |
| | Polymerase | |
| | 5X Herculase II Reaction | No specific data. |
| | Buffer | |
| | SureSelect Binding | No specific data. |
| | Buffer | |
| | SureSelect Wash Buffer | No specific data. |
| | 1 | |
| | SureSelect Wash Buffer | No specific data. |
| | 2 | |
| | SureSelect XT HS and | No specific data. |
| | XT Low Input Blocker Mix | |

SECTION 11: Toxicological information

| | | |
|--------------------|--------------------------|-------------------|
| | SureSelect Fast | No specific data. |
| | Hybridization Buffer | |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Post-Capture | No specific data. |
| | Primer Mix | |
| | SureSelect XT HS Index | No specific data. |
| | Primer A01-H04 | |
| | SSel XT HS and XT Low | No specific data. |
| | Input Cancer All-In-One | |
| | Solid Tumor | |
| Eye contact | : End Repair-A Tailing | No specific data. |
| | Enzyme Mix | |
| | End Repair-A Tailing | No specific data. |
| | Buffer | |
| | T4 DNA Ligase | No specific data. |
| | Ligation Buffer | No specific data. |
| | Adaptor Oligo Mix | No specific data. |
| | Forward Primer | No specific data. |
| | 100 mM dNTP Mix (25 | No specific data. |
| | mM each dNTP) | |
| | Herculase II Fusion DNA | No specific data. |
| | Polymerase | |
| | 5X Herculase II Reaction | No specific data. |
| | Buffer | |
| | SureSelect Binding | No specific data. |
| | Buffer | |
| | SureSelect Wash Buffer | No specific data. |
| | 1 | |
| | SureSelect Wash Buffer | No specific data. |
| | 2 | |
| | SureSelect XT HS and | No specific data. |
| | XT Low Input Blocker Mix | |
| | SureSelect Fast | No specific data. |
| | Hybridization Buffer | |
| | SureSelect RNase Block | No specific data. |
| | SureSelect Post-Capture | No specific data. |
| | Primer Mix | |
| | SureSelect XT HS Index | No specific data. |
| | Primer A01-H04 | |
| | SSel XT HS and XT Low | No specific data. |
| | Input Cancer All-In-One | |
| | Solid Tumor | |

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

SECTION 11: Toxicological information

| | | | | |
|----------------|------------------------|---|---|---|
| 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. | |
| | | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. | |
| | | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No known significant effects or critical hazards. | |
| | Carcinogenicity | : | 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. | |
| | | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. | |
| | | SSeI XT HS and XT Low Input Cancer All-In-One | No known significant effects or critical hazards. | |

SECTION 11: Toxicological information

| | | |
|------------------------------|---|---|
| | Solid Tumor | |
| Mutagenicity | : 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No known significant effects or critical hazards. |
| Reproductive toxicity | : 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. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | No known significant effects or critical hazards. |

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SECTION 11: Toxicological information

| | | |
|--------------------------|---|---|
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | No known significant effects or critical hazards. |
| Other information | : End Repair-A Tailing Enzyme Mix | Not available. |
| | End Repair-A Tailing Buffer | Adverse symptoms may include the following: May cause skin sensitisation. |
| | T4 DNA Ligase | Not available. |
| | Ligation Buffer | Not available. |
| | Adaptor Oligo Mix | Not available. |
| | Forward Primer | Not available. |
| | 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input Blocker Mix | Not available. |
| | SureSelect Fast Hybridization Buffer | Not available. |
| | SureSelect RNase Block | Adverse symptoms may include the following: May cause skin sensitisation. |
| | SureSelect Post-Capture Primer Mix | Not available. |
| | SureSelect XT HS Index Primer A01-H04 | Not available. |
| | SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not available. |

SECTION 12: Ecological information

12.1 Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--|--|---|----------|
| 5X Herculase II Reaction Buffer | | | |
| Trometamol | Acute EC50 >980 mg/l Fresh water | Daphnia | 48 hours |
| | Acute NOEC 520 mg/l Fresh water | Daphnia | 48 hours |
| Ammonium sulphate | Chronic NOEC 7.5 mg/l Marine water | Algae - Phaeodactylum tricornutum - Exponential growth phase | 96 hours |
| Hexadecan-1-ol, ethoxylated | Acute LC50 330000 to 1000000 µg/l Marine water | Crustaceans - Crangon crangon - Adult | 48 hours |
| SureSelect Binding Buffer | | | |
| Sodium chloride | Acute EC50 2430000 µg/l Fresh water | Algae - Navicula seminulum | 96 hours |
| | Acute EC50 519.6 mg/l Fresh water | Crustaceans - Cypris subglobosa | 48 hours |
| | Acute EC50 402.6 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute IC50 6.87 g/L Fresh water | Aquatic plants - Lemna minor | 96 hours |
| | Acute LC50 1000000 µg/l Fresh water | Fish - Morone saxatilis - Larvae | 96 hours |
| | Chronic LC10 781 mg/l Fresh water | Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) | 3 weeks |
| | Chronic NOEC 6 g/L Fresh water | Aquatic plants - Lemna minor | 96 hours |

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SECTION 12: Ecological information

| | | | |
|--|---|---|--------------------|
| | Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water | Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult | 21 days 8 weeks |
|--|---|---|--------------------|

12.2 Persistence and degradability

| Product/ingredient name | Test | Result | Dose | Inoculum |
|--|---|----------------------------|---------|----------|
| 5X Herculase II Reaction Buffer Trometamol | OECD 301F Ready Biodegradability - Manometric Respirometry Test | 97.1 % - Readily - 28 days | 30 mg/l | - |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|--|-------------------|------------|------------------|
| 5X Herculase II Reaction Buffer Trometamol | - | - | Readily |
| Ammonium sulphate | - | - | Readily |
| Hexadecan-1-ol, ethoxylated | - | - | Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|-----|-----------|
| 5X Herculase II Reaction Buffer Trometamol | -2.31 | - | low |
| Ammonium sulphate | -5.1 | - | low |

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

SureSelect XT HS Reagent Kit, Index 1-32 + SSeI Cancer All-In-One Solid Tumor Panel, 96 rxn, Part Number G9706S

SECTION 13: Disposal considerations

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA |
|---------------------------------|----------------|----------------|----------------|
| 14.1 UN number | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name | - | - | - |
| 14.3 Transport hazard class(es) | - | - | - |
| 14.4 Packing group | - | - | - |
| 14.5 Environmental hazards | No. | No. | No. |

Additional information

14.6 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.

14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

| Ingredient name | EC number | CAS number | Restriction |
|---|-----------|------------|-------------|
| 5X Herculase II Reaction Buffer ammonium sulphate | 231-984-1 | 7783-20-2 | 65 |

Label : 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.

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SECTION 15: Regulatory information

| | |
|---|-----------------|
| 100 mM dNTP Mix (25 mM each dNTP) | 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 and XT Low Input 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-H04 | Not applicable. |
| SSeI XT HS and XT Low Input Cancer All-In-One Solid Tumor | Not applicable. |

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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 (CSCL): Not determined. Japan inventory (ISHL): Not determined. |
| New Zealand | : Not determined. |
| Philippines | : Not determined. |
| Republic of Korea | : Not determined. |

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SECTION 15: Regulatory information

| | |
|---------------|--|
| Taiwan | : <input checked="" type="checkbox"/> All components are listed or exempted. |
| Thailand | : Not determined. |
| Turkey | : Not determined. |
| United States | : Not determined. |
| Viet Nam | : Not determined. |

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

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

Full text of abbreviated H statements

| | |
|---|---|
| <input checked="" type="checkbox"/> Herculase II Reaction Buffer H315 H319 H411 SureSelect Binding Buffer H319 | Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. Causes serious eye irritation. |
|---|---|

Full text of classifications [CLP/GHS]

| | |
|---|---|
| <input checked="" type="checkbox"/> Herculase II Reaction Buffer Aquatic Chronic 2 Eye Irrit. 2 Skin Irrit. 2 SureSelect Binding Buffer Eye Irrit. 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
|---|---|

Date of issue/ Date of revision : 04/04/2022

Date of previous issue : 18/12/2019

Version : 2

Note * : *SureSelect XT HS Index Primer A01-H04: 5190-6419, 5190-6420, 5190-6421, 5190-6422, 5190-6423, 5190-6424, 5190-6425, 5190-6426, 5190-6427, 5190-6428, 5190-6429, 5190-6430, 5190-6431, 5190-6432, 5190-6433, 5190-6434, 5190-9740, 5190-9741, 5190-9742, 5190-9743, 5190-9744, 5190-9745, 5190-9746, 5190-9747, 5190-9748, 5190-9749, 5190-9750, 5190-9751, 5190-9752, 5190-9753, 5190-9754, 5190-9755

Notice to reader

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