

# SAFETY DATA SHEET



SureSelect XT Low Input Reagent Kit, index 97-192 + Human All Exon V6+UTR Target Enrichment Baits, 96rxn, Part Number G9708 A-M

## Section 1. Identification

<b>Product identifier</b>	:	SureSelect XT Low Input Reagent Kit, index 97-192 + Human All Exon V6+UTR Target Enrichment Baits, 96rxn, Part Number G9708 A-M																																																		
<b>Part no. (chemical kit)</b>	:	G9708 A-M																																																		
<b>Part no.</b>	:	<table border="0"> <tr> <td><u>SureSelect XT HS and XT Low Input Library Prep Kit for ILM (Pre PCR), 96 Rxn</u></td> <td>5500-0140</td> </tr> <tr> <td>End Repair-A Tailing Enzyme Mix</td> <td>5190-6435</td> </tr> <tr> <td>End Repair-A Tailing Buffer</td> <td>5190-6436</td> </tr> <tr> <td>T4 DNA Ligase</td> <td>5190-6437</td> </tr> <tr> <td>Ligation Buffer</td> <td>5190-6438</td> </tr> <tr> <td>Adaptor Oligo Mix</td> <td>5190-6439</td> </tr> <tr> <td>Forward Primer</td> <td>5190-6440</td> </tr> <tr> <td><u>SureSelect XT HS and XT Low Input Library Prep Kit for ILM (Pre PCR), 96 Rxn / SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 96 Rxn</u></td> <td>5500-0140 / 5190-9686</td> </tr> <tr> <td>100 mM dNTP Mix (25 mM each dNTP)</td> <td>200418-51</td> </tr> <tr> <td>Herculase II Fusion DNA Polymerase</td> <td>5600-3761</td> </tr> <tr> <td>5X Herculase II Reaction Buffer</td> <td>600675-52</td> </tr> <tr> <td><u>SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 1 (Post PCR), 96 Rxn</u></td> <td>5190-9687</td> </tr> <tr> <td>SureSelect Binding Buffer</td> <td>5190-9734</td> </tr> <tr> <td>SureSelect Wash Buffer 1</td> <td>5190-4408</td> </tr> <tr> <td>SureSelect Wash Buffer 2</td> <td>5190-4409</td> </tr> <tr> <td><u>SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 96 Rxn</u></td> <td>5190-9686</td> </tr> <tr> <td>SureSelect XT HS and XT Low Input Blocker Mix</td> <td>5190-9534</td> </tr> <tr> <td>SureSelect Fast Hybridization Buffer</td> <td>5190-7330</td> </tr> <tr> <td>SureSelect RNase Block</td> <td>5972-3700</td> </tr> <tr> <td>SureSelect Post-Capture Primer Mix</td> <td>5190-9732</td> </tr> <tr> <td><u>SureSelect XT Low Input Index Primers 97-192 for ILM (Pre PCR)</u></td> <td>5190-6445</td> </tr> <tr> <td>SureSelect XT Low Input Index Bulk Set 2 A01-H12</td> <td>5600-3901 through 5600-3996</td> </tr> <tr> <td>SSEL XT HS and XT Low Input Custom Capture Library</td> <td>5190-9927 / 5190-9928 / 5190-9929 / 5190-9930 / 5190-9931 / 5190-9943 / 5190-9950 / 5190-9952 / 5190-9945 / 5190-9954 / 5190-9947</td> </tr> <tr> <td><u>SSEL XT HS Human All Exon V6+UTRs</u></td> <td>5190-9227</td> </tr> <tr> <td><u>SSEL XT HS and XT Low Input Human All Exon V6+UTRs</u></td> <td>5190-9227</td> </tr> </table>	<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 / SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 96 Rxn</u>	5500-0140 / 5190-9686	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 Low Input Index Primers 97-192 for ILM (Pre PCR)</u>	5190-6445	SureSelect XT Low Input Index Bulk Set 2 A01-H12	5600-3901 through 5600-3996	SSEL XT HS and XT Low Input Custom Capture Library	5190-9927 / 5190-9928 / 5190-9929 / 5190-9930 / 5190-9931 / 5190-9943 / 5190-9950 / 5190-9952 / 5190-9945 / 5190-9954 / 5190-9947	<u>SSEL XT HS Human All Exon V6+UTRs</u>	5190-9227	<u>SSEL XT HS and XT Low Input Human All Exon V6+UTRs</u>	5190-9227
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### Relevant identified uses of the substance or mixture and uses advised against

<b>Material uses</b>	:	Analytical reagent. For Research Use Only. Not for use in diagnostic procedures.
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## Section 1. Identification

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 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	0.128 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 Blocker Mix	0.64 ml (96 reactions)
SureSelect Fast Hybridization Buffer	0.77 ml
SureSelect RNase Block	0.08 ml
SureSelect Post-Capture Primer Mix	0.128 ml (96 reactions)
SureSelect XT Low Input Index Bulk Set 2 A01-H12	96 x 0.01 ml (96 reactions)
SSEL XT HS and XT Low Input Custom Capture Library	0.192 - 0.48 ml (96 reactions)
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	0.48 ml (96 reactions)

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

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

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

Not classified.

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

## Section 2. Hazard(s) identification

SureSelect Binding Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
SureSelect Fast Hybridization 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: 30 - 60%
	Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
SureSelect RNase Block	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
SSEL XT HS and XT Low Input Custom Capture Library	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
End Repair-A Tailing Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.7%
100 mM dNTP Mix (25 mM each dNTP)	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.4%
SureSelect Fast Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%

### GHS 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 Low Input Index Bulk Set 2 A01-H12	No signal word.
SSEL XT HS and XT Low Input Custom Capture Library	No signal word.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	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.

## Section 2. Hazard(s) identification

Buffer	
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	No known significant effects or critical hazards.
Low Input Blocker Mix	
SureSelect Fast	No known significant effects or critical hazards.
Hybridization Buffer	
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Post-Capture	No known significant effects or critical hazards.
Primer Mix	
SureSelect XT Low Input	No known significant effects or critical hazards.
Index Bulk Set 2 A01-H12	
SSEL XT HS and XT Low	No known significant effects or critical hazards.
Input Custom Capture Library	
SSel XT HS and XT Low	No known significant effects or critical hazards.
Input Human All Exon	
V6+UTRs	

### Precautionary statements

#### Prevention

: End Repair-A Tailing	Enzyme Mix	Not applicable.
End Repair-A Tailing Buffer	T4 DNA Ligase	Not applicable.
Ligation Buffer	Adaptor Oligo Mix	Not applicable.
Forward Primer	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	SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	SureSelect XT HS and XT	Not applicable.
Low Input Blocker Mix	SureSelect Fast	Not applicable.
SureSelect Fast	Hybridization Buffer	
Hybridization Buffer	SureSelect RNase Block	Not applicable.
SureSelect RNase Block	SureSelect Post-Capture	Not applicable.
SureSelect Post-Capture	Primer Mix	
Primer Mix	SureSelect XT Low Input	Not applicable.
SureSelect XT Low Input	Index Bulk Set 2 A01-H12	
Index Bulk Set 2 A01-H12	SSEL XT HS and XT Low	Not applicable.
SSEL XT HS and XT Low	Input Custom Capture Library	
Input Custom Capture Library	SSel XT HS and XT Low	Not applicable.
SSel XT HS and XT Low	Input Human All Exon	
Input Human All Exon	V6+UTRs	

#### Response

: End Repair-A Tailing	Enzyme Mix	Not applicable.
End Repair-A Tailing Buffer	T4 DNA Ligase	Not applicable.
Ligation Buffer	Adaptor Oligo Mix	Not applicable.
Adaptor Oligo Mix	Forward Primer	Not applicable.
Forward Primer	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
100 mM dNTP Mix (25 mM each dNTP)	Herculase II Fusion DNA	Not applicable.
Herculase II Fusion DNA	Polymerase	
Polymerase	5X Herculase II Reaction	Not applicable.
5X Herculase II Reaction	Buffer	
Buffer	SureSelect Binding Buffer	Not applicable.

## Section 2. Hazard(s) identification

	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT	Not applicable.
	Low Input Blocker Mix	
	SureSelect Fast	Not applicable.
	Hybridization Buffer	
	SureSelect RNase Block	Not applicable.
	SureSelect Post-Capture	Not applicable.
	Primer Mix	
	SureSelect XT Low Input	Not applicable.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	Not applicable.
	Input Custom Capture Library	
	SSel XT HS and XT Low	Not applicable.
	Input Human All Exon	
	V6+UTRs	
<b>Storage</b>	: End Repair-A Tailing	Not applicable.
	Enzyme Mix	
	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	Not applicable.
	each dNTP)	
	Herculase II Fusion DNA	Not applicable.
	Polymerase	
	5X Herculase II Reaction	Not applicable.
	Buffer	
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT	Not applicable.
	Low Input Blocker Mix	
	SureSelect Fast	Not applicable.
	Hybridization Buffer	
	SureSelect RNase Block	Not applicable.
	SureSelect Post-Capture	Not applicable.
	Primer Mix	
	SureSelect XT Low Input	Not applicable.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	Not applicable.
	Input Custom Capture Library	
	SSel XT HS and XT Low	Not applicable.
	Input Human All Exon	
	V6+UTRs	
<b>Disposal</b>	: End Repair-A Tailing	Not applicable.
	Enzyme Mix	
	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	Not applicable.
	each dNTP)	
	Herculase II Fusion DNA	Not applicable.
	Polymerase	
	5X Herculase II Reaction	Not applicable.
	Buffer	
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT	Not applicable.

## Section 2. Hazard(s) identification

Low Input Blocker Mix	
SureSelect Fast	Not applicable.
Hybridization Buffer	
SureSelect RNase Block	Not applicable.
SureSelect Post-Capture	Not applicable.
Primer Mix	
SureSelect XT Low Input	Not applicable.
Index Bulk Set 2 A01-H12	
SSEL XT HS and XT Low	Not applicable.
Input Custom Capture Library	
SSel XT HS and XT Low	Not applicable.
Input Human All Exon	
V6+UTRs	

### Supplemental label elements

#### Additional warning phrases

: End Repair-A Tailing	Enzyme Mix	Not applicable.
End Repair-A Tailing Buffer	T4 DNA Ligase	Not applicable.
Ligation Buffer	Adaptor Oligo Mix	Not applicable.
Forward Primer	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
Herculase II Fusion DNA	Polymerase	Not applicable.
5X Herculase II Reaction Buffer	SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	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	SureSelect Post-Capture	Not applicable.
Primer Mix	SureSelect XT Low Input	Not applicable.
Index Bulk Set 2 A01-H12	SSEL XT HS and XT Low	Not applicable.
Input Custom Capture Library	SSel XT HS and XT Low	Not applicable.
Input Human All Exon	V6+UTRs	

### Other hazards which do not result in classification

: End Repair-A Tailing	Enzyme Mix	None known.
End Repair-A Tailing Buffer	T4 DNA Ligase	None known.
Ligation Buffer	Adaptor Oligo Mix	None known.
Forward Primer	100 mM dNTP Mix (25 mM each dNTP)	None known.
Herculase II Fusion DNA	Polymerase	None known.
5X Herculase II Reaction Buffer	SureSelect Binding Buffer	None known.
SureSelect Wash Buffer 1	SureSelect Wash Buffer 2	None known.
SureSelect XT HS and XT		None known.

## Section 2. Hazard(s) identification

Low Input Blocker Mix	
SureSelect Fast	None known.
Hybridization Buffer	
SureSelect RNase Block	None known.
SureSelect Post-Capture	None known.
Primer Mix	
SureSelect XT Low Input	None known.
Index Bulk Set 2 A01-H12	
SSEL XT HS and XT Low	None known.
Input Custom Capture Library	
SSel XT HS and XT Low	None known.
Input Human All Exon	
V6+UTRs	

## Section 3. Composition and ingredient information

<b>Substance/mixture</b>	:	End Repair-A Tailing Enzyme Mix	Mixture
		End Repair-A Tailing Buffer	Mixture
		T4 DNA Ligase	Mixture
		Ligation Buffer	Mixture
		Adaptor Oligo Mix	Mixture
		Forward Primer	Mixture
		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	Mixture
		Hybridization Buffer	
		SureSelect RNase Block	Mixture
		SureSelect Post-Capture	Mixture
		Primer Mix	
		SureSelect XT Low Input	Mixture
		Index Bulk Set 2 A01-H12	
		SSEL XT HS and XT Low	Mixture
		Input Custom Capture Library	
		SSel XT HS and XT Low	Mixture
		Input Human All Exon	
		V6+UTRs	

### CAS number/other identifiers

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

### Section 3. Composition and ingredient information

<b>SureSelect RNase Block</b> Glycerol	≥30 - ≤60	56-81-5
<b>SSEL XT HS and XT Low Input Custom Capture Library</b> Glycerol	≤3	56-81-5

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

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

### Section 4. First aid measures

#### Description of necessary first aid measures

<b>Eye contact</b>	:	End Repair-A Tailing Enzyme Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		End Repair-A Tailing Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		T4 DNA Ligase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		Ligation Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		Adaptor Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		Forward Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		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.
		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	Immediately flush eyes with plenty of water,



## Section 4. First aid measures

Low Input Blocker Mix	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 Low Input Index Bulk Set 2 A01-H12	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SSEL XT HS and XT Low Input Custom Capture Library	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Inhalation</b>	
: 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.
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.

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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 Low Input Index Bulk Set 2 A01-H12	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SSEL XT HS and XT Low Input Custom Capture Library	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b> : 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.
SureSelect Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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	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 Low Input Index Bulk Set 2 A01-H12	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SSEL XT HS and XT Low Input Custom Capture Library	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SSel XT HS and XT Low Input Human All Exon V6+UTRs	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: End Repair-A Tailing Enzyme Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	End Repair-A Tailing Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	T4 DNA Ligase	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Ligation Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Adaptor Oligo Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	Forward Primer	Wash out mouth with water. Remove victim to fresh

## Section 4. First aid measures

100 mM dNTP Mix (25 mM each dNTP)	air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Herculase II Fusion DNA Polymerase	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
5X Herculase II Reaction Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT HS and XT Low Input Blocker Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Fast Hybridization Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect RNase Block	Wash out mouth with water. Remove victim to fresh

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SureSelect Post-Capture Primer Mix	air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SSEL XT HS and XT Low Input Custom Capture Library	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

#### Potential acute health effects

<b>Eye contact</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	: End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	: T4 DNA Ligase	No known significant effects or critical hazards.
	: Ligation Buffer	No known significant effects or critical hazards.
	: Adaptor Oligo Mix	No known significant effects or critical hazards.
	: Forward Primer	No known significant effects or critical hazards.
	: 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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.

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	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.
<b>Inhalation</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.
<b>Skin contact</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSEL XT HS and XT Low	No known significant effects or critical hazards.

## Section 4. First aid measures

	Input Human All Exon V6+UTRs	
<b>Ingestion</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.

### Over-exposure signs/symptoms

<b>Eye contact</b>	: End Repair-A Tailing Enzyme Mix	No specific data.
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	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 Low Input Index Bulk Set 2 A01-H12	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	SSel XT HS and XT Low Input Human All Exon	No specific data.

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<b>Inhalation</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.	
		End Repair-A Tailing Buffer	No specific data.	
		T4 DNA Ligase	No specific data.	
		Ligation Buffer	No specific data.	
		Adaptor Oligo Mix	No specific data.	
		Forward Primer	No specific data.	
		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 Low Input Index Bulk Set 2 A01-H12	No specific data.	
		SSEL XT HS and XT Low Input Custom Capture Library	No specific data.	
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.	
	<b>Skin contact</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.
			End Repair-A Tailing Buffer	No specific data.
			T4 DNA Ligase	No specific data.
			Ligation Buffer	No specific data.
			Adaptor Oligo Mix	No specific data.
			Forward Primer	No specific data.
			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 Low Input Index Bulk Set 2 A01-H12	No specific data.	
		SSEL XT HS and XT Low Input Custom Capture Library	No specific data.	
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.	



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<b>Ingestion</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.
		End Repair-A Tailing Buffer	No specific data.
		T4 DNA Ligase	No specific data.
		Ligation Buffer	No specific data.
		Adaptor Oligo Mix	No specific data.
		Forward Primer	No specific data.
		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 Low Input Index Bulk Set 2 A01-H12	No specific data.
		SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.

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

<b>Notes to physician</b>	:	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 to be kept under medical surveillance for 48 hours.
		SureSelect Binding Buffer	Treat symptomatically. Contact poison treatment

## Section 4. First aid measures

	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 Low Input Index Bulk Set 2 A01-H12	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SSEL XT HS and XT Low Input Custom Capture Library	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	:
End Repair-A Tailing Enzyme Mix	No specific treatment.
End Repair-A Tailing Buffer	No specific treatment.
T4 DNA Ligase	No specific treatment.
Ligation Buffer	No specific treatment.
Adaptor Oligo Mix	No specific treatment.
Forward Primer	No specific treatment.
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 Low Input Index Bulk Set 2 A01-H12	No specific treatment.
SSEL XT HS and XT Low Input Custom Capture Library	No specific treatment.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	No specific treatment.



## Section 5. Firefighting measures

	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 Low Input Index Bulk Set 2 A01-H12	Use an extinguishing agent suitable for the surrounding fire.
	SSEL XT HS and XT Low Input Custom Capture Library	Use an extinguishing agent suitable for the surrounding fire.
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: End Repair-A Tailing Enzyme Mix	None known.
	End Repair-A Tailing Buffer	None known.
	T4 DNA Ligase	None known.
	Ligation Buffer	None known.
	Adaptor Oligo Mix	None known.
	Forward Primer	None known.
	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 Low Input Index Bulk Set 2 A01-H12	None known.
	SSEL XT HS and XT Low Input Custom Capture Library	None known.
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	None known.
<b>Specific hazards arising from the chemical</b>	: 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.

## Section 5. Firefighting measures

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 Low Input Index Bulk Set 2 A01-H12	In a fire or if heated, a pressure increase will occur and the container may burst.
SSEL XT HS and XT Low Input Custom Capture Library	In a fire or if heated, a pressure increase will occur and the container may burst.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b> : 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.
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

## Section 5. Firefighting measures

		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 Low Input Index Bulk Set 2 A01-H12		No specific data.
SSEL XT HS and XT Low Input Custom Capture Library		Decomposition products may include the following materials: carbon dioxide carbon monoxide
SSel XT HS and XT Low Input Human All Exon V6+UTRs		No specific data.
<b>Special protective actions for fire-fighters</b>	<b>:</b>	
End Repair-A Tailing Enzyme Mix		Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
End Repair-A Tailing Buffer		Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
T4 DNA Ligase		Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Ligation Buffer		Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Adaptor Oligo Mix		Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Forward Primer		Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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.

## Section 5. Firefighting measures

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 Low Input Index Bulk Set 2 A01-H12	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SSEL XT HS and XT Low Input Custom Capture Library	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b> : End Repair-A Tailing Enzyme Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
End Repair-A Tailing Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
T4 DNA Ligase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Ligation Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

## Section 5. Firefighting measures

Adaptor Oligo Mix	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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.
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.
Herculase II Fusion DNA Polymerase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
5X Herculase II Reaction Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Binding Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect XT HS 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.
SureSelect Fast Hybridization Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Post-Capture Primer Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SSEL XT HS and XT Low Input Custom Capture Library	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: End Repair-A Tailing Enzyme Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	End Repair-A Tailing Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	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 Polymerase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	5X Herculase II Reaction Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureSelect Binding Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureSelect Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding

## Section 6. Accidental release measures

	areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect 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 Low Input Index Bulk Set 2 A01-H12	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.
SSEL XT HS and XT Low Input Custom Capture Library	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
<b>For emergency responders</b> : End Repair-A Tailing Enzyme Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
End Repair-A Tailing Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Ligase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the

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Ligation Buffer	information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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 Low Input Index Bulk Set 2 A01-H12	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".
SSEL XT HS and XT Low Input Custom Capture Library	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".
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the

## Section 6. Accidental release measures

information in "For non-emergency personnel".

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

## Section 6. Accidental release measures

Low Input Blocker Mix	contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Fast Hybridization Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect RNase Block	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Post-Capture Primer Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT Low Input Index Bulk Set 2 A01-H12	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).
SSEL XT HS and XT Low Input Custom Capture Library	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).
SSel XT HS and XT Low Input Human All Exon V6+UTRs	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	: 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

## Section 6. Accidental release measures

	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.
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.

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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 Low Input Index Bulk Set 2 A01-H12	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SSEL XT HS and XT Low Input Custom Capture Library	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### 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 Polymerase	Put on appropriate personal protective equipment (see Section 8).
5X Herculase II Reaction Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect Binding Buffer	Put on appropriate personal protective equipment (see Section 8).
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 Low Input Index Bulk Set 2 A01-H12	Put on appropriate personal protective equipment (see Section 8).
SSEL XT HS and XT Low Input Custom Capture Library	Put on appropriate personal protective equipment (see Section 8).
SSel XT HS and XT Low	Put on appropriate personal protective equipment (see Section 8).

## Section 7. Handling and storage

### Advice on general occupational hygiene

Input Human All Exon V6+UTRs	(see Section 8).
: End Repair-A Tailing Enzyme Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
End Repair-A Tailing Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
T4 DNA Ligase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Ligation Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Adaptor Oligo Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Forward Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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 8 for additional information on hygiene measures.
Herculase II Fusion DNA Polymerase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
5X Herculase II Reaction Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment



## Section 7. Handling and storage

SureSelect Binding Buffer	before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect XT HS and XT Low Input Blocker Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Fast Hybridization Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect RNase Block	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Post-Capture Primer Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SSEL XT HS and XT Low Input Custom Capture Library	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment

## Section 7. Handling and storage

<p>SSel XT HS and XT Low Input Human All Exon V6+UTRs</p>	<p>before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
<p><b>Conditions for safe storage, including any incompatibilities</b> : End Repair-A Tailing Enzyme Mix</p>	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
<p>End Repair-A Tailing Buffer</p>	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
<p>T4 DNA Ligase</p>	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
<p>Ligation Buffer</p>	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
<p>Adaptor Oligo Mix</p>	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and</p>

## Section 7. Handling and storage

Forward Primer	<p>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. Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
100 mM dNTP Mix (25 mM each dNTP)	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
Herculase II Fusion DNA Polymerase	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
5X Herculase II Reaction Buffer	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
SureSelect Binding Buffer	<p>Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright</p>

## Section 7. Handling and storage

SureSelect Wash Buffer 1	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. Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Wash Buffer 2	Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect XT HS and XT Low Input Blocker Mix	Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Fast Hybridization Buffer	Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect RNase Block	Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for

## Section 7. Handling and storage

SureSelect Post-Capture  
Primer Mix

incompatible materials before handling or use. Storage temperature: -80°C (-112°F). Store in accordance with local regulations. Shelf life: 1 Year. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SureSelect XT Low Input  
Index Bulk Set 2 A01-H12

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.

SSEL XT HS and XT Low  
Input Custom Capture Library

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

SSEL XT HS and XT Low  
Input Human All Exon  
V6+UTRs

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

## Section 8. Exposure controls and personal protection

### [Control parameters](#)

### [Occupational exposure limits](#)

Ingredient name	Exposure limits
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	<b>Safe Work Australia (Australia, 4/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>T4 DNA Ligase</b> Glycerol	<b>Safe Work Australia (Australia, 4/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>Ligation Buffer</b> Polyethylene glycol	<b>DFG MAC-values list (Germany, 7/2017).</b>

## Section 8. Exposure controls and personal protection

Glycerol	PEAK: 8000 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. Form: Inhalable fraction TWA: 1000 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction <b>Safe Work Australia (Australia, 4/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	<b>Safe Work Australia (Australia, 4/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>SureSelect RNase Block</b> Glycerol	<b>Safe Work Australia (Australia, 4/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
<b>SSEL XT HS and XT Low Input Custom Capture Library</b> Glycerol	<b>Safe Work Australia (Australia, 4/2018).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.

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

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** :  Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: End Repair-A Tailing Enzyme Mix	Liquid.	
	End Repair-A Tailing Buffer	Liquid.	
	T4 DNA Ligase	Liquid.	
	Ligation Buffer	Liquid.	
	Adaptor Oligo Mix	Liquid.	
	Forward Primer	Liquid.	
	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 Low Input Index Bulk Set 2 A01-H12	Liquid.	
	SSEL XT HS and XT Low Input Custom Capture Library	Liquid.	
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Liquid.	
	<b>Colour</b>	: End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
Adaptor Oligo Mix		Not available.	
Forward Primer		Not available.	
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 Low Input Index Bulk Set 2 A01-H12		Not available.	
SSEL XT HS and XT Low Input Custom Capture Library		Not available.	
SSEL XT HS and XT Low Input Human All Exon V6+UTRs		Not available.	

## Section 9. Physical and chemical properties

<b>Odour</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		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 Low Input Index Bulk Set 2 A01-H12	Not available.
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.
	<b>Odour threshold</b>	:	End Repair-A Tailing Enzyme Mix
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		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 Low Input Index Bulk Set 2 A01-H12	Not available.
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.
<b>pH</b>		:	



## Section 9. Physical and chemical properties

End Repair-A Tailing	6.5
Enzyme Mix	
End Repair-A Tailing Buffer	8
T4 DNA Ligase	7.5
Ligation Buffer	8
Adaptor Oligo Mix	7.5
Forward Primer	7.5
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	6.5 to 7.5
SureSelect Wash Buffer 2	6.8 to 7.8
SureSelect XT HS and XT Low Input Blocker Mix	7.5
SureSelect Fast	Not available.
Hybridization Buffer	
SureSelect RNase Block	7.6
SureSelect Post-Capture Primer Mix	7.5
SureSelect XT Low Input Index Bulk Set 2 A01-H12	7.5
SSEL XT HS and XT Low Input Custom Capture Library	Not available.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.

### Melting point

: End Repair-A Tailing	Enzyme Mix	Not available.
End Repair-A Tailing Buffer		0°C (32°F)
T4 DNA Ligase		Not available.
Ligation Buffer		Not available.
Adaptor Oligo Mix		0°C (32°F)
Forward Primer		0°C (32°F)
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 (32°F)
SureSelect Wash Buffer 2		0°C (32°F)
SureSelect XT HS and XT Low Input Blocker Mix		0°C (32°F)
SureSelect Fast		Not available.
Hybridization Buffer		
SureSelect RNase Block		Not available.
SureSelect Post-Capture Primer Mix		0°C (32°F)
SureSelect XT Low Input Index Bulk Set 2 A01-H12		0°C (32°F)
SSEL XT HS and XT Low Input Custom Capture Library		0°C (32°F)
SSEL XT HS and XT Low Input Human All Exon V6+UTRs		0°C (32°F)

## Section 9. Physical and chemical properties

<b>Boiling point</b>	:	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 Buffer	Not available.	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	100°C (212°F)	
		SureSelect Wash Buffer 2	100°C (212°F)	
		SureSelect XT HS and XT Low Input Blocker Mix	100°C (212°F)	
		SureSelect Fast Hybridization Buffer	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect Post-Capture Primer Mix	100°C (212°F)	
		SureSelect XT Low Input Index Bulk Set 2 A01-H12	100°C (212°F)	
		SSEL XT HS and XT Low Input Custom Capture Library	100°C (212°F)	
		SSel XT HS and XT Low Input Human All Exon V6+UTRs	100°C (212°F)	
	<b>Flash point</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
			End Repair-A Tailing Buffer	Not available.
			T4 DNA Ligase	Not available.
			Ligation Buffer	Not available.
			Adaptor Oligo Mix	Not available.
			Forward Primer	Not available.
			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 Low Input Index Bulk Set 2 A01-H12	Not available.	
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.	
		SSel XT HS and XT Low Input Human All Exon V6+UTRs	Not available.	

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<b>Evaporation rate</b>	:	End Repair-A Tailing Enzyme Mix	Not available.	
		End Repair-A Tailing Buffer	Not available.	
		T4 DNA Ligase	Not available.	
		Ligation Buffer	Not available.	
		Adaptor Oligo Mix	Not available.	
		Forward Primer	Not available.	
		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 Low Input Index Bulk Set 2 A01-H12	Not available.	
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.	
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.	
	<b>Flammability (solid, gas)</b>	:	End Repair-A Tailing Enzyme Mix	Not applicable.
			End Repair-A Tailing Buffer	Not applicable.
			T4 DNA Ligase	Not applicable.
			Ligation Buffer	Not applicable.
		Adaptor Oligo Mix	Not applicable.	
		Forward Primer	Not applicable.	
		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 Low Input Index Bulk Set 2 A01-H12	Not applicable.	
		SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.	
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not applicable.	

## Section 9. Physical and chemical properties

<b>Lower and upper explosive (flammable) limits</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		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 Low Input Index Bulk Set 2 A01-H12	Not available.
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.

<b>Vapour pressure</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		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 Low Input Index Bulk Set 2 A01-H12	Not available.
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.

**Vapour density** :

## Section 9. Physical and chemical properties

End Repair-A Tailing Enzyme Mix	Not available.
End Repair-A Tailing Buffer	Not available.
T4 DNA Ligase	Not available.
Ligation Buffer	Not available.
Adaptor Oligo Mix	Not available.
Forward Primer	Not available.
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 Low Input Index Bulk Set 2 A01-H12	Not available.
SSEL XT HS and XT Low Input Custom Capture Library	Not available.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	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 Low Input Index Bulk Set 2 A01-H12	Not available.
SSEL XT HS and XT Low Input Custom Capture Library	Not available.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.

## Section 9. Physical and chemical properties

<b>Solubility</b>	:	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	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	Soluble in the following materials: cold water and hot water.
		5X Herculase II Reaction Buffer	Easily soluble in the following materials: cold water and hot water.
		SureSelect Binding Buffer	Easily soluble in the following materials: cold water and hot water.
		SureSelect Wash Buffer 1	Easily soluble in the following materials: cold water and hot water.
		SureSelect Wash Buffer 2	Easily soluble in the following materials: cold water and hot water.
		SureSelect XT HS 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	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 Low Input Index Bulk Set 2 A01-H12	Easily soluble in the following materials: cold water and hot water.
		SSEL XT HS and XT Low Input Custom Capture Library	Easily soluble in the following materials: cold water and hot water.
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Easily soluble in the following materials: cold water and hot water.
	<b>Partition coefficient: n-octanol/water</b>	:	End Repair-A Tailing Enzyme Mix
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		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 Low Input	Not available.

## Section 9. Physical and chemical properties

	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	Not available.
	Input Custom Capture Library	
	SSEL XT HS and XT Low	Not available.
	Input Human All Exon	
	V6+UTRs	
<b>Auto-ignition temperature</b>	: End Repair-A Tailing	Not available.
	Enzyme Mix	
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM	Not available.
	each dNTP)	
	Herculase II Fusion DNA	Not available.
	Polymerase	
	5X Herculase II Reaction	Not available.
	Buffer	
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT	Not available.
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture	Not available.
	Primer Mix	
	SureSelect XT Low Input	Not available.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	Not available.
	Input Custom Capture Library	
	SSEL XT HS and XT Low	Not available.
	Input Human All Exon	
	V6+UTRs	
<b>Decomposition temperature</b>	: End Repair-A Tailing	Not available.
	Enzyme Mix	
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM	Not available.
	each dNTP)	
	Herculase II Fusion DNA	Not available.
	Polymerase	
	5X Herculase II Reaction	Not available.
	Buffer	
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT	Not available.
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture	Not available.
	Primer Mix	
	SureSelect XT Low Input	Not available.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	Not available.
	Input Custom Capture Library	

## Section 9. Physical and chemical properties

	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.
<b>Viscosity</b>	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	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 Low Input Index Bulk Set 2 A01-H12	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: 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.



## Section 10. Stability and reactivity

SureSelect RNase Block	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Post-Capture Primer Mix	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific test data related to reactivity available for this product or its ingredients.
SSEL XT HS and XT Low Input Custom Capture Library	No specific test data related to reactivity available for this product or its ingredients.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No specific test data related to reactivity available for this product or its ingredients.

### 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 Low Input Index Bulk Set 2 A01-H12	The product is stable.
SSEL XT HS and XT Low Input Custom Capture Library	The product is stable.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	The product is stable.

### 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,

## Section 10. Stability and reactivity

SureSelect Wash Buffer 1	hazardous reactions will not occur.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous 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 Low Input Index Bulk Set 2 A01-H12	Under normal conditions of storage and use, hazardous reactions will not occur.
SSEL XT HS and XT Low Input Custom Capture Library	Under normal conditions of storage and use, hazardous reactions will not occur.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to avoid

: End Repair-A Tailing Enzyme Mix	No specific data.
End Repair-A Tailing Buffer	No specific data.
T4 DNA Ligase	No specific data.
Ligation Buffer	No specific data.
Adaptor Oligo Mix	No specific data.
Forward Primer	No specific data.
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 Low Input Index Bulk Set 2 A01-H12	No specific data.
SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.

### 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	May react or be incompatible with oxidising materials.
Ligation Buffer	May react or be incompatible with oxidising materials.
Adaptor Oligo Mix	May react or be incompatible with oxidising materials.
Forward Primer	May react or be incompatible with oxidising materials.
100 mM dNTP Mix (25 mM each dNTP)	May react or be incompatible with oxidising materials.
Herculase II Fusion DNA	May react or be incompatible with oxidising materials.

## Section 10. Stability and reactivity

Polymerase		
5X Herculase II Reaction Buffer		May react or be incompatible with oxidising materials.
SureSelect Binding Buffer		May react or be incompatible with oxidising materials.
SureSelect Wash Buffer 1		May react or be incompatible with oxidising materials.
SureSelect Wash Buffer 2		May react or be incompatible with oxidising materials.
SureSelect XT HS 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 Low Input Index Bulk Set 2 A01-H12		May react or be incompatible with oxidising materials.
SSEL XT HS and XT Low Input Custom Capture Library		May react or be incompatible with oxidising materials.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs		May react or be incompatible with oxidising materials.
<b>Hazardous decomposition products</b>	:	
End Repair-A Tailing Enzyme Mix		Under normal conditions of storage and use, hazardous decomposition products should not be produced.
End Repair-A Tailing Buffer		Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Ligase		Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Ligation Buffer		Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Adaptor Oligo Mix		Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Forward Primer		Under normal conditions of storage and use, hazardous decomposition products should not be produced.
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.

## Section 10. Stability and reactivity

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 Low Input Index Bulk Set 2 A01-H12	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SSEL XT HS and XT Low Input Custom Capture Library	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>T4 DNA Ligase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>Ligation Buffer</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SureSelect RNase Block</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SSEL XT HS and XT Low Input Custom Capture Library</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-

#### Irritation/Corrosion

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

## Section 11. Toxicological information

Glycerol	Eyes - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	<b>Herculase II Fusion DNA Polymerase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>SureSelect RNase Block</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>SSEL XT HS and XT Low Input Custom Capture Library</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

### Sensitisation

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

<b>Information on likely routes of exposure</b>	: End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM	Routes of entry anticipated: Oral, Dermal, Inhalation. Routes of entry anticipated: Oral, Dermal, Inhalation. Routes of entry anticipated: Oral, Dermal, Inhalation. Routes of entry anticipated: Oral, Dermal, Inhalation. Not available. Not available. Not available.
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## Section 11. Toxicological information

each dNTP)	
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 Low Input Index Bulk Set 2 A01-H12	Not available.
SSEL XT HS and XT Low Input Custom Capture Library	Not available.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	Not available.

### Potential acute health effects

#### Eye contact

: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
End Repair-A Tailing Buffer	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
Ligation Buffer	No known significant effects or critical hazards.
Adaptor Oligo Mix	No known significant effects or critical hazards.
Forward Primer	No known significant effects or critical hazards.
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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.

#### Inhalation

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

## Section 11. Toxicological information

	Polymerase	
	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS 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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.
<b>Skin contact</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.
<b>Ingestion</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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.

## Section 11. Toxicological information

SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
SureSelect Fast	No known significant effects or critical hazards.
Hybridization Buffer	
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.

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

#### Eye contact

: End Repair-A Tailing Enzyme Mix	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	No specific data.
Hybridization Buffer	
SureSelect RNase Block	No specific data.
SureSelect Post-Capture Primer Mix	No specific data.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.
SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
SSel XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.

#### Inhalation

: End Repair-A Tailing Enzyme Mix	No specific data.
End Repair-A Tailing Buffer	No specific data.
T4 DNA Ligase	No specific data.
Ligation Buffer	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.



## Section 11. Toxicological information

	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	No specific data.
	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post-Capture Primer Mix	No specific data.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	SSel XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.
<b>Skin contact</b>	: End Repair-A Tailing Enzyme Mix	No specific data.
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	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	No specific data.
	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post-Capture Primer Mix	No specific data.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	SSel XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.
<b>Ingestion</b>	: End Repair-A Tailing Enzyme Mix	No specific data.
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	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.

## Section 11. Toxicological information

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 Low Input Index Bulk Set 2 A01-H12	No specific data.
SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

<b>General</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	: End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	: T4 DNA Ligase	No known significant effects or critical hazards.
	: Ligation Buffer	No known significant effects or critical hazards.
	: Adaptor Oligo Mix	No known significant effects or critical hazards.
	: Forward Primer	No known significant effects or critical hazards.
	: 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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	: SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	: SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Carcinogenicity</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.
	<b>Mutagenicity</b>	: End Repair-A Tailing Enzyme Mix
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 Low Input Index Bulk Set 2 A01-H12		No known significant effects or critical hazards.
SSEL XT HS and XT Low Input Custom Capture Library		No known significant effects or critical hazards.
SSel XT HS and XT Low Input Human All Exon V6+UTRs		No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Teratogenicity</b>	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.
	<b>Developmental effects</b>	: End Repair-A Tailing Enzyme Mix
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 Low Input Index Bulk Set 2 A01-H12		No known significant effects or critical hazards.
SSEL XT HS and XT Low Input Custom Capture Library		No known significant effects or critical hazards.
SSel XT HS and XT Low Input Human All Exon V6+UTRs		No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Fertility effects</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		Ligation Buffer	No known significant effects or critical hazards.
		Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.
		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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
		SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
		SSEL XT HS and XT Low Input Human All Exon V6+UTRs	No known significant effects or critical hazards.

### Numerical measures of toxicity

#### 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)
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>T4 DNA Ligase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>Ligation Buffer</b> Polyethylene glycol Glycerol	28000 12600	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>SureSelect RNase Block</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>SSEL XT HS and XT Low Input Custom Capture Library</b> Glycerol	12600	N/A	N/A	N/A	N/A

## Section 12. Ecological information

### Toxicity

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

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>T4 DNA Ligase</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>Ligation Buffer</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>SureSelect RNase Block</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

## Section 12. Ecological information

<b>SSEL XT HS and XT Low Input Custom Capture Library</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
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### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	-1.76	-	low
<b>T4 DNA Ligase</b> Glycerol	-1.76	-	low
<b>Ligation Buffer</b> Polyethylene glycol	-	3.2	low
Glycerol	-1.76	-	low
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	-1.76	-	low
<b>SureSelect RNase Block</b> Glycerol	-1.76	-	low
<b>SSEL XT HS and XT Low Input Custom Capture Library</b> Glycerol	-1.76	-	low

### Mobility in soil

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

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

## Section 13. Disposal considerations

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

## Section 14. Transport information

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

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

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

## Section 15. Regulatory information

### Standard Uniform Schedule of Medicine and Poisons

5

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

No listed substance

### International regulations

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

Not listed.

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

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

Not listed.

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Europe</b>	: Not determined.
<b>Japan</b>	: <b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: Not determined.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.



## Section 16. Any other relevant information

### History

Date of issue/Date of revision : 15/01/2019

Date of previous issue : 10/10/2018

Version : 3

### Key to abbreviations

ADG = Australian Dangerous Goods  
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 SUSMP = Standard Uniform Schedule of Medicine and Poisons  
 UN = United Nations

### Procedure used to derive the classification

Classification	Justification
Not classified.	

References : Not available.

Indicates information that has changed from previously issued version.

### Notice to reader

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