

SAFETY DATA SHEET

SureSelect XT HS Reagent Kit, index 17-32 + Human All Exon V7 Target Enrichment Baits, 16 rxn

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

1.1 Product identifier

Product name	: SureSelect XT HS Reagent Kit, index 17-32 + Human All Exon V7 Target Enrichment Baits, 16 rxn
Part no. (chemical kit)	: G9705N
Part no.	: <u>SureSelect XT HS Library Preparation Kit for ILM (Pre PCR), 16 Rxn</u> 5500-0138
	End Repair-A Tailing Enzyme Mix 5190-6412
	End Repair-A Tailing Buffer 5190-6413
	T4 DNA Ligase 5190-6414
	Ligation Buffer 5190-6415
	Adaptor Oligo Mix 5190-6416
	Forward Primer 5190-6417
	<u>SureSelect XT HS Library Preparation Kit for ILM (Pre PCR), 16 Rxn / SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 16 Rxn</u> 5500-0138 / 5190-9684
	100 mM dNTP Mix (25 mM each dNTP) 5190-6418
	Herculase II Fusion DNA Polymerase 5190-7742
	5X Herculase II Reaction Buffer 600675-52
	<u>SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 1 (Post PCR), 16 Rxn</u> 5190-9685
	SureSelect Binding Buffer 5190-4399
	SureSelect Wash Buffer 1 5190-4400
	SureSelect Wash Buffer 2 5190-4401
	<u>SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 16 Rxn</u> 5190-9684
	SureSelect XT HS and XT Low Input Blocker Mix 5190-9683
	SureSelect Fast Hybridization Buffer 5190-7327
	SureSelect RNase Block 5190-4383
	SureSelect Post- Capture Primer Mix 5190-9730
	<u>SureSelect XT HS Index Primers 17-32 for ILM (Pre PCR)</u> 5500-0142
	SureSelect XT HS Index Primer A03-H04 Various*
	SSEL XT HS and XT Low Input Custom Capture Library 5190-9917 / 5190-9918 / 5190-9919 / 5190-9920 / 5190-9921 / 5190-9937 / 5190-9949 / 5190-9951 / 5190-9939 / 5190-9953 / 5190-9941
	<u>SSEL XT HS Human All Exon V7, 16 Reactions</u> 5191-4028
	SSEL XT HS Human All Exon V7, 16 Reactions 5191-4028

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

Identified uses	: Analytical reagent. For research use only.
	End Repair-A Tailing Enzyme Mix 0.064 ml (16 reactions)
	End Repair-A Tailing Buffer 0.256 ml (16 reactions)
	T4 DNA Ligase 0.032 ml (16 reactions)
	Ligation Buffer 0.368 ml (16 reactions)
	Adaptor Oligo Mix 0.08 ml (16 reactions)
	Forward Primer 0.032 ml (16 reactions)
	100 mM dNTP Mix (25 mM each dNTP) 0.009 ml (16 reactions)
	Herculase II Fusion DNA Polymerase 0.016 ml (32 reactions)
	5X Herculase II Reaction Buffer 1.5 ml
	SureSelect Binding Buffer 13.2 ml
	SureSelect Wash Buffer 1 8 ml
	SureSelect Wash Buffer 2 24 ml

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SureSelect XT HS and XT Low Input Blocker Mix	0.08 ml (16 reactions)
SureSelect Fast Hybridization Buffer	0.45 ml
SureSelect RNase Block	0.016 ml
SureSelect Post- Capture Primer Mix	0.016 ml (16 reactions)
SureSelect XT HS Index Primer A03-H04	16 x 0.01 ml (16 reactions)
SSEL XT HS and XT Low Input Custom Capture Library	0.032 - 0.08 ml (16 reactions)
SSEL XT HS Human All Exon V7, 16 Reactions	0.08 ml (16 reactions)

Uses advised against : Not for use in diagnostic procedures.

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH
 Hewlett-Packard-Str. 8
 76337 Waldbronn
 Germany
 0800 603 1000

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

1.4 Emergency telephone number

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

Note * : *SureSelect XT HS Index Primer A03-H04: 5190-9740, 5190-9741, 5190-9742, 5190-9743, 5190-9744, 5190-9745, 5190-9746, 5190-9747, 5190-9748, 5190-9749, 5190-9750, 5190-9751, 5190-9752, 5190-9753, 5190-9754, 5190-9755

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	End Repair-A Tailing Enzyme Mix	Mixture
	:	End Repair-A Tailing Buffer	Mixture
	:	T4 DNA Ligase	Mixture
	:	Ligation Buffer	Mixture
	:	Adaptor Oligo Mix	Mixture
	:	Forward Primer	Mixture
	:	100 mM dNTP Mix (25 mM each dNTP)	Mixture
	:	Herculase II Fusion DNA Polymerase	Mixture
	:	5X Herculase II Reaction Buffer	Mixture
	:	SureSelect Binding Buffer	Mixture
	:	SureSelect Wash Buffer 1	Mixture
	:	SureSelect Wash Buffer 2	Mixture
	:	SureSelect XT HS and XT Low Input Blocker Mix	Mixture
	:	SureSelect Fast Hybridization Buffer	Mixture
	:	SureSelect RNase Block	Mixture
	:	SureSelect Post-Capture Primer Mix	Mixture
	:	SureSelect XT HS Index	Mixture

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Primer A03-H04
 SSEL XT HS and XT Mixture
 Low Input Custom
 Capture Library
 SSEL XT HS Human All Mixture
 Exon V7, 16 Reactions

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

Not classified.

End Repair-A Tailing Enzyme Mix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
End Repair-A Tailing Buffer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
T4 DNA Ligase	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Ligation Buffer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Adaptor Oligo Mix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Forward Primer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
100 mM dNTP Mix (25 mM each dNTP)	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
Herculase II Fusion DNA Polymerase	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
5X Herculase II Reaction Buffer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect Binding Buffer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect Wash Buffer 1	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect Wash Buffer 2	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect XT HS and XT Low Input Blocker Mix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect Fast Hybridization Buffer	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect RNase Block	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect Post- Capture Primer Mix	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SureSelect XT HS Index Primer A03-H04	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SSEL XT HS and XT Low Input Custom Capture Library	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.
SSEL XT HS Human All Exon V7, 16 Reactions	The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown toxicity	End Repair-A Tailing Enzyme Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
	End Repair-A Tailing Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%
	T4 DNA Ligase	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	Ligation Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
	100 mM dNTP Mix (25 mM each dNTP)	Percentage of the mixture consisting of ingredient(s) of unknown acute 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	Percentage of the mixture consisting of ingredient(s) of

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Polymerase 5X Herculase II Reaction Buffer	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%
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 inhalation toxicity: 30 - 60%
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%

Ingredients of unknown ecotoxicity : 100 mM dNTP Mix (25 mM each dNTP) Contains 5.3% of components with unknown hazards to the aquatic environment
 SureSelect Fast Hybridization Buffer Contains 31.3% of components with unknown hazards to the aquatic environment

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

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

2.2 Label elements

Signal word	:	End Repair-A Tailing Enzyme Mix	No signal word.
		End Repair-A Tailing Buffer	No signal word.
		T4 DNA Ligase Ligation Buffer	No signal word.
		Adaptor Oligo Mix	No signal word.
		Forward Primer	No signal word.
		100 mM dNTP Mix (25 mM each dNTP)	No signal word.
		Herculase II Fusion DNA Polymerase	No signal word.
		5X Herculase II Reaction Buffer	No signal word.
		SureSelect Binding Buffer	No signal word.
		SureSelect Wash Buffer 1	No signal word.
		SureSelect Wash Buffer 2	No signal word.
		SureSelect XT HS and XT Low Input Blocker Mix	No signal word.
		SureSelect Fast Hybridization Buffer	No signal word.
		SureSelect RNase Block	No signal word.
		SureSelect Post- Capture Primer Mix	No signal word.
		SureSelect XT HS Index Primer A03-H04	No signal word.
		SSEL XT HS and XT Low Input Custom Capture Library	No signal word.
		SSEL XT HS Human All Exon V7, 16 Reactions	No signal word.

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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 Buffer	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
		SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
		SSel XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.

Precautionary statements

Prevention	:	End Repair-A Tailing Enzyme Mix	Not applicable.
		End Repair-A Tailing Buffer	Not applicable.
		T4 DNA Ligase	Not applicable.
		Ligation Buffer	Not applicable.
		Adaptor Oligo Mix	Not applicable.
		Forward Primer	Not applicable.
		100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
		Herculase II Fusion DNA Polymerase	Not applicable.
		5X Herculase II Reaction Buffer	Not applicable.
		SureSelect Binding Buffer	Not applicable.
		SureSelect Wash Buffer 1	Not applicable.
		SureSelect Wash Buffer 2	Not applicable.
		SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
		SureSelect Fast Hybridization Buffer	Not applicable.
		SureSelect RNase Block	Not applicable.
		SureSelect Post-Capture Primer Mix	Not applicable.
		SureSelect XT HS Index	Not applicable.

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	Primer A03-H04	
	SSEL XT HS and XT	Not applicable.
	Low Input Custom	
	Capture Library	
	SSel XT HS Human All	Not applicable.
	Exon V7, 16 Reactions	
Response	: End Repair-A Tailing	Not applicable.
	Enzyme Mix	
	End Repair-A Tailing	Not applicable.
	Buffer	
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25	Not applicable.
	mM each dNTP)	
	Herculase II Fusion DNA	Not applicable.
	Polymerase	
	5X Herculase II Reaction	Not applicable.
	Buffer	
	SureSelect Binding	Not applicable.
	Buffer	
	SureSelect Wash Buffer	Not applicable.
	1	
	SureSelect Wash Buffer	Not applicable.
	2	
	SureSelect XT HS and	Not applicable.
	XT Low Input Blocker Mix	
	SureSelect Fast	Not applicable.
	Hybridization Buffer	
	SureSelect RNase Block	Not applicable.
	SureSelect Post-	Not applicable.
	Capture Primer Mix	
	SureSelect XT HS Index	Not applicable.
	Primer A03-H04	
	SSEL XT HS and XT	Not applicable.
	Low Input Custom	
	Capture Library	
	SSel XT HS Human All	Not applicable.
	Exon V7, 16 Reactions	
Storage	: End Repair-A Tailing	Not applicable.
	Enzyme Mix	
	End Repair-A Tailing	Not applicable.
	Buffer	
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25	Not applicable.
	mM each dNTP)	
	Herculase II Fusion DNA	Not applicable.
	Polymerase	
	5X Herculase II Reaction	Not applicable.
	Buffer	
	SureSelect Binding	Not applicable.
	Buffer	
	SureSelect Wash Buffer	Not applicable.
	1	
	SureSelect Wash Buffer	Not applicable.
	2	
	SureSelect XT HS and	Not applicable.
	XT Low Input Blocker Mix	
	SureSelect Fast	Not applicable.
	Hybridization Buffer	

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	SureSelect RNase Block	Not applicable.
	SureSelect Post-Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A03-H04	Not applicable.
	SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
	SSEL XT HS Human All Exon V7, 16 Reactions	Not applicable.
Disposal	: End Repair-A Tailing Enzyme Mix	Not applicable.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	5X Herculase II Reaction Buffer	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
	SureSelect Fast Hybridization Buffer	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Post-Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A03-H04	Not applicable.
	SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
	SSEL XT HS Human All Exon V7, 16 Reactions	Not applicable.
Supplemental label elements	: End Repair-A Tailing Enzyme Mix	Not applicable.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	5X Herculase II Reaction Buffer	Safety data sheet available on request.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer	Not applicable.

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2		
SureSelect XT HS and XT Low Input Blocker Mix		Not applicable.
SureSelect Fast Hybridization Buffer		Not applicable.
SureSelect RNase Block		Not applicable.
SureSelect Post-Capture Primer Mix		Not applicable.
SureSelect XT HS Index Primer A03-H04		Not applicable.
SSEL XT HS and XT Low Input Custom Capture Library		Not applicable.
SSEL XT HS Human All Exon V7, 16 Reactions		Not applicable.
End Repair-A Tailing Enzyme Mix		Not applicable.
End Repair-A Tailing Buffer		Not applicable.
T4 DNA Ligase		Not applicable.
Ligation Buffer		Not applicable.
Adaptor Oligo Mix		Not applicable.
Forward Primer		Not applicable.
100 mM dNTP Mix (25 mM each dNTP)		Not applicable.
Herculase II Fusion DNA Polymerase		Not applicable.
5X Herculase II Reaction Buffer		Not applicable.
SureSelect Binding Buffer		Not applicable.
SureSelect Wash Buffer 1		Not applicable.
SureSelect Wash Buffer 2		Not applicable.
SureSelect XT HS and XT Low Input Blocker Mix		Not applicable.
SureSelect Fast Hybridization Buffer		Not applicable.
SureSelect RNase Block		Not applicable.
SureSelect Post-Capture Primer Mix		Not applicable.
SureSelect XT HS Index Primer A03-H04		Not applicable.
SSEL XT HS and XT Low Input Custom Capture Library		Not applicable.
SSEL XT HS Human All Exon V7, 16 Reactions		Not applicable.

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

Special packaging requirements

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

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Buffer	
SureSelect Binding	Not applicable.
Buffer	
SureSelect Wash Buffer	Not applicable.
1	
SureSelect Wash Buffer	Not applicable.
2	
SureSelect XT HS and	Not applicable.
XT Low Input Blocker Mix	
SureSelect Fast	Not applicable.
Hybridization Buffer	
SureSelect RNase Block	Not applicable.
SureSelect Post-	Not applicable.
Capture Primer Mix	
SureSelect XT HS Index	Not applicable.
Primer A03-H04	
SSEL XT HS and XT	Not applicable.
Low Input Custom	
Capture Library	
SSEL XT HS Human All	Not applicable.
Exon V7, 16 Reactions	

2.3 Other hazards

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

: End Repair-A Tailing	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Enzyme Mix	
End Repair-A Tailing	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Buffer	
T4 DNA Ligase	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Ligation Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Adaptor Oligo Mix	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Forward Primer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
100 mM dNTP Mix (25 mM each dNTP)	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Herculase II Fusion DNA Polymerase	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
5X Herculase II Reaction Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Binding Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Wash Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
1	
SureSelect Wash Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
2	
SureSelect XT HS and	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
XT Low Input Blocker Mix	
SureSelect Fast	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Hybridization Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect RNase Block	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Post-	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Capture Primer Mix	
SureSelect XT HS Index	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Primer A03-H04	
SSEL XT HS and XT	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Low Input Custom	
Capture Library	
SSEL XT HS Human All	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Exon V7, 16 Reactions	

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Other hazards which do not result in classification	:	End Repair-A Tailing Enzyme Mix	None known.
		End Repair-A Tailing Buffer	None known.
		T4 DNA Ligase	None known.
		Ligation Buffer	None known.
		Adaptor Oligo Mix	None known.
		Forward Primer	None known.
		100 mM dNTP Mix (25 mM each dNTP)	None known.
		Herculase II Fusion DNA Polymerase	None known.
		5X Herculase II Reaction Buffer	None known.
		SureSelect Binding Buffer	None known.
		SureSelect Wash Buffer 1	None known.
		SureSelect Wash Buffer 2	None known.
		SureSelect XT HS and XT Low Input Blocker Mix	None known.
		SureSelect Fast Hybridization Buffer	None known.
		SureSelect RNase Block	None known.
		SureSelect Post-Capture Primer Mix	None known.
		SureSelect XT HS Index Primer A03-H04	None known.
		SSEL XT HS and XT Low Input Custom Capture Library	None known.
		SSEL XT HS Human All Exon V7, 16 Reactions	None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	:	End Repair-A Tailing Enzyme Mix	Mixture
		End Repair-A Tailing Buffer	Mixture
		T4 DNA Ligase	Mixture
		Ligation Buffer	Mixture
		Adaptor Oligo Mix	Mixture
		Forward Primer	Mixture
		100 mM dNTP Mix (25 mM each dNTP)	Mixture
		Herculase II Fusion DNA Polymerase	Mixture
		5X Herculase II Reaction Buffer	Mixture
		SureSelect Binding Buffer	Mixture
		SureSelect Wash Buffer 1	Mixture
		SureSelect Wash Buffer 2	Mixture
		SureSelect XT HS and XT Low Input Blocker Mix	Mixture
		SureSelect Fast Hybridization Buffer	Mixture
		SureSelect RNase Block	Mixture
		SureSelect Post-Capture Primer Mix	Mixture
		SureSelect XT HS Index Primer A03-H04	Mixture
		SSEL XT HS and XT Low Input Custom Capture Library	Mixture
		SSEL XT HS Human All Exon V7, 16 Reactions	Mixture

SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
End Repair-A Tailing Enzyme Mix					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	-	[1]
T4 DNA Ligase					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	-	[1]
Ligation Buffer					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	-	[1]
Herculase II Fusion DNA Polymerase					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	-	[1]
5X Herculase II Reaction Buffer					
trometamol	EC: 201-064-4 CAS: 77-86-1	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	-	[1]
Hexadecan- 1-ol, ethoxylated	EC: 500-014-1 CAS: 9004-95-9	<2.5	Aquatic Chronic 2, H411	-	[1]
SureSelect RNase Block					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	-	[1]
SSEL XT HS and XT Low Input Custom Capture Library					
glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≤3	Not classified.	-	[1]
			See Section 16 for the full text of the H statements declared above.		

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

SECTION 3: Composition/information on ingredients

Type	
End Repair-A Tailing Enzyme Mix	[1] Substance with a workplace exposure limit
T4 DNA Ligase	[1] Substance with a workplace exposure limit
Ligation Buffer	[1] Substance with a workplace exposure limit
Herculase II Fusion DNA Polymerase	[1] Substance with a workplace exposure limit
5X Herculase II Reaction Buffer	[1] Substance classified with a health or environmental hazard
SureSelect RNase Block	[1] Substance with a workplace exposure limit
SSEL XT HS and XT Low Input Custom Capture Library	[1] Substance with a workplace exposure limit

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact		
	: End Repair-A Tailing Enzyme Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: End Repair-A Tailing Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: T4 DNA Ligase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: Ligation Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: Adaptor Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: Forward Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: 100 mM dNTP Mix (25 mM each dNTP)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: Herculase II Fusion DNA Polymerase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: 5X Herculase II Reaction Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect Binding Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect Wash Buffer 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect Wash Buffer 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect XT HS and XT Low Input Blocker Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect Fast Hybridization Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect RNase Block	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect Post-Capture Primer Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	: SureSelect XT HS Index Primer A03-H04	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove

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Inhalation

SSEL XT HS and XT Low Input Custom Capture Library	any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SSEL XT HS Human All Exon V7, 16 Reactions	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
: End Repair-A Tailing Enzyme Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
End Repair-A Tailing Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
T4 DNA Ligase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Ligation Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Adaptor Oligo Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Forward Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
100 mM dNTP Mix (25 mM each dNTP)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Herculase II Fusion DNA Polymerase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
5X Herculase II Reaction Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect Binding Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT HS and XT Low Input Blocker Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Fast Hybridization Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect RNase Block	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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Skin contact

SureSelect Post-Capture Primer Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT HS Index Primer A03-H04	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SSEL XT HS and XT Low Input Custom Capture Library	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SSEL XT HS Human All Exon V7, 16 Reactions	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
: End Repair-A Tailing Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
End Repair-A Tailing Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
T4 DNA Ligase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ligation Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Adaptor Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Forward Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
100 mM dNTP Mix (25 mM each dNTP)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Herculase II Fusion DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
5X Herculase II Reaction Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect XT HS and XT Low Input Blocker Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Fast Hybridization Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Post-Capture Primer Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect XT HS Index Primer A03-H04	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SSEL XT HS and XT	Flush contaminated skin with plenty of water. Remove

SECTION 4: First aid measures

Ingestion

Low Input Custom Capture Library SSeI XT HS Human All Exon V7, 16 Reactions	contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
: End Repair-A Tailing Enzyme Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
End Repair-A Tailing Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
T4 DNA Ligase	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Ligation Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Adaptor Oligo Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Forward Primer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
100 mM dNTP Mix (25 mM each dNTP)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Herculase II Fusion DNA Polymerase	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
5X Herculase II Reaction Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if

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SureSelect XT HS and XT Low Input Blocker Mix	symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Fast Hybridization Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect RNase Block	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Post-Capture Primer Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT HS Index Primer A03-H04	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SSEL XT HS and XT Low Input Custom Capture Library	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SSEL XT HS Human All Exon V7, 16 Reactions	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders : End Repair-A Tailing Enzyme Mix	No action shall be taken involving any personal risk or without suitable training.
End Repair-A Tailing Buffer	No action shall be taken involving any personal risk or without suitable training.
T4 DNA Ligase	No action shall be taken involving any personal risk or without suitable training.
Ligation Buffer	No action shall be taken involving any personal risk or without suitable training.
Adaptor Oligo Mix	No action shall be taken involving any personal risk or without suitable training.
Forward Primer	No action shall be taken involving any personal risk or without suitable training.
100 mM dNTP Mix (25 mM each dNTP)	No action shall be taken involving any personal risk or without suitable training.
Herculase II Fusion DNA Polymerase	No action shall be taken involving any personal risk or without suitable training.
5X Herculase II Reaction Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Binding Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS and XT Low Input Blocker Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Fast Hybridization Buffer	No action shall be taken involving any personal risk or without suitable training.

SECTION 4: First aid measures

SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training.
SureSelect Post-Capture Primer Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS Index Primer A03-H04	No action shall be taken involving any personal risk or without suitable training.
SSEL XT HS and XT Low Input Custom Capture Library	No action shall be taken involving any personal risk or without suitable training.
SSEL XT HS Human All Exon V7, 16 Reactions	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		Ligation Buffer	No known significant effects or critical hazards.
		Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
		SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
		SSEL XT HS Human All Exon V7, 16 Reactions	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 Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
		SureSelect Binding	No known significant effects or critical hazards.

SECTION 4: First aid measures

	Buffer	
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.
Skin contact	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.
Ingestion	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	Herculase II Fusion DNA	No known significant effects or critical hazards.

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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 HS Index Primer A03-H04	No known significant effects or critical hazards.
SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
SSEL XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	End Repair-A Tailing Enzyme Mix	No specific data.
		End Repair-A Tailing Buffer	No specific data.
		T4 DNA Ligase	No specific data.
		Ligation Buffer	No specific data.
		Adaptor Oligo Mix	No specific data.
		Forward Primer	No specific data.
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.
		Herculase II Fusion DNA Polymerase	No specific data.
		5X Herculase II Reaction Buffer	No specific data.
		SureSelect Binding Buffer	No specific data.
		SureSelect Wash Buffer 1	No specific data.
		SureSelect Wash Buffer 2	No specific data.
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
		SureSelect Fast Hybridization Buffer	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect Post-Capture Primer Mix	No specific data.
		SureSelect XT HS Index Primer A03-H04	No specific data.
		SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
		SSEL XT HS Human All Exon V7, 16 Reactions	No specific data.

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Inhalation	:	End Repair-A Tailing Enzyme Mix	No specific data.	
		End Repair-A Tailing Buffer	No specific data.	
		T4 DNA Ligase	No specific data.	
		Ligation Buffer	No specific data.	
		Adaptor Oligo Mix	No specific data.	
		Forward Primer	No specific data.	
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.	
		Herculase II Fusion DNA Polymerase	No specific data.	
		5X Herculase II Reaction Buffer	No specific data.	
		SureSelect Binding Buffer	No specific data.	
		SureSelect Wash Buffer 1	No specific data.	
		SureSelect Wash Buffer 2	No specific data.	
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.	
		SureSelect Fast Hybridization Buffer	No specific data.	
		SureSelect RNase Block	No specific data.	
		SureSelect Post-Capture Primer Mix	No specific data.	
		SureSelect XT HS Index Primer A03-H04	No specific data.	
		SSEL XT HS and XT Low Input Custom Capture Library	No specific data.	
		SSel XT HS Human All Exon V7, 16 Reactions	No specific data.	
	Skin contact	:	End Repair-A Tailing Enzyme Mix	No specific data.
			End Repair-A Tailing Buffer	No specific data.
			T4 DNA Ligase	No specific data.
			Ligation Buffer	No specific data.
			Adaptor Oligo Mix	No specific data.
			Forward Primer	No specific data.
			100 mM dNTP Mix (25 mM each dNTP)	No specific data.
			Herculase II Fusion DNA Polymerase	No specific data.
			5X Herculase II Reaction Buffer	No specific data.
			SureSelect Binding Buffer	No specific data.
			SureSelect Wash Buffer 1	No specific data.
		SureSelect Wash Buffer 2	No specific data.	
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.	
		SureSelect Fast Hybridization Buffer	No specific data.	
		SureSelect RNase Block	No specific data.	
		SureSelect Post-Capture Primer Mix	No specific data.	
		SureSelect XT HS Index Primer A03-H04	No specific data.	
		SSEL XT HS and XT	No specific data.	

SECTION 4: First aid measures

	Low Input Custom Capture Library	
	SSel XT HS Human All Exon V7, 16 Reactions	No specific data.
Ingestion	: End Repair-A Tailing Enzyme Mix	No specific data.
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM each dNTP)	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	5X Herculase II Reaction Buffer	No specific data.
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
	SureSelect Fast Hybridization Buffer	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Post-Capture Primer Mix	No specific data.
	SureSelect XT HS Index Primer A03-H04	No specific data.
	SSEL XT HS and XT	No specific data.
	Low Input Custom Capture Library	
	SSel XT HS Human All Exon V7, 16 Reactions	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: End Repair-A Tailing Enzyme Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	End Repair-A Tailing Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	T4 DNA Ligase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Ligation Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Adaptor Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Forward Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	100 mM dNTP Mix (25 mM each dNTP)	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Herculase II Fusion DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	5X Herculase II Reaction Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect Binding Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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	SureSelect Wash Buffer 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Wash Buffer 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect XT HS and XT Low Input Blocker Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Fast Hybridization Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Post-Capture Primer Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect XT HS Index Primer A03-H04	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SSEL XT HS and XT Low Input Custom Capture Library	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SSel XT HS Human All Exon V7, 16 Reactions	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: End Repair-A Tailing Enzyme Mix	No specific treatment.
	End Repair-A Tailing Buffer	No specific treatment.
	T4 DNA Ligase	No specific treatment.
	Ligation Buffer	No specific treatment.
	Adaptor Oligo Mix	No specific treatment.
	Forward Primer	No specific treatment.
	100 mM dNTP Mix (25 mM each dNTP)	No specific treatment.
	Herculase II Fusion DNA Polymerase	No specific treatment.
	5X Herculase II Reaction Buffer	No specific treatment.
	SureSelect Binding Buffer	No specific treatment.
	SureSelect Wash Buffer 1	No specific treatment.
	SureSelect Wash Buffer 2	No specific treatment.
	SureSelect XT HS and XT Low Input Blocker Mix	No specific treatment.
	SureSelect Fast Hybridization Buffer	No specific treatment.
	SureSelect RNase Block	No specific treatment.
	SureSelect Post-Capture Primer Mix	No specific treatment.
	SureSelect XT HS Index Primer A03-H04	No specific treatment.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific treatment.
	SSel XT HS Human All Exon V7, 16 Reactions	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

SECTION 5: Firefighting measures

Suitable extinguishing media	: End Repair-A Tailing Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.	
	End Repair-A Tailing Buffer	Use an extinguishing agent suitable for the surrounding fire.	
	T4 DNA Ligase	Use an extinguishing agent suitable for the surrounding fire.	
	Ligation Buffer	Use an extinguishing agent suitable for the surrounding fire.	
	Adaptor Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.	
	Forward Primer	Use an extinguishing agent suitable for the surrounding fire.	
	100 mM dNTP Mix (25 mM each dNTP)	Use an extinguishing agent suitable for the surrounding fire.	
	Herculase II Fusion DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.	
	5X Herculase II Reaction Buffer	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect Binding Buffer	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect Wash Buffer 1	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect Wash Buffer 2	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect XT HS and XT Low Input Blocker Mix	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect Fast Hybridization Buffer	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect Post-Capture Primer Mix	Use an extinguishing agent suitable for the surrounding fire.	
	SureSelect XT HS Index Primer A03-H04	Use an extinguishing agent suitable for the surrounding fire.	
	SSEL XT HS and XT Low Input Custom Capture Library	Use an extinguishing agent suitable for the surrounding fire.	
	SSel XT HS Human All Exon V7, 16 Reactions	Use an extinguishing agent suitable for the surrounding fire.	
	Unsuitable extinguishing media	: End Repair-A Tailing Enzyme Mix	None known.
		End Repair-A Tailing Buffer	None known.
		T4 DNA Ligase	None known.
		Ligation Buffer	None known.
Adaptor Oligo Mix		None known.	
Forward Primer		None known.	
100 mM dNTP Mix (25 mM each dNTP)		None known.	
Herculase II Fusion DNA Polymerase		None known.	
5X Herculase II Reaction Buffer		None known.	
SureSelect Binding Buffer		None known.	
SureSelect Wash Buffer 1		None known.	
SureSelect Wash Buffer 2		None known.	
SureSelect XT HS and XT Low Input Blocker Mix		None known.	
SureSelect Fast Hybridization Buffer		None known.	
SureSelect RNase Block		None known.	
SureSelect Post-Capture Primer Mix		None known.	
SureSelect XT HS Index		None known.	

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Primer A03-H04 SSEL XT HS and XT Low Input Custom Capture Library	None known.
SSel XT HS Human All Exon V7, 16 Reactions	None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: End Repair-A Tailing Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
End Repair-A Tailing Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
T4 DNA Ligase	In a fire or if heated, a pressure increase will occur and the container may burst.
Ligation Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
Adaptor Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Forward Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
100 mM dNTP Mix (25 mM each dNTP)	In a fire or if heated, a pressure increase will occur and the container may burst.
Herculase II Fusion DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst.
5X Herculase II Reaction Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Binding Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Wash Buffer 1	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Wash Buffer 2	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect XT HS and XT Low Input Blocker Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Fast Hybridization Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Post-Capture Primer Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect XT HS Index Primer A03-H04	In a fire or if heated, a pressure increase will occur and the container may burst.
SSEL XT HS and XT Low Input Custom Capture Library	In a fire or if heated, a pressure increase will occur and the container may burst.
SSel XT HS Human All Exon V7, 16 Reactions	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products

: End Repair-A Tailing Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
End Repair-A Tailing Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
T4 DNA Ligase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Ligation Buffer	Decomposition products may include the following materials:

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Adaptor Oligo Mix	carbon dioxide carbon monoxide 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 carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
SureSelect Binding Buffer	Decomposition products may include the following materials: halogenated compounds metal oxide/oxides
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
SureSelect Fast Hybridization Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect Post-Capture Primer Mix	No specific data.
SureSelect XT HS Index Primer A03-H04	No specific data.
SSEL XT HS and XT Low Input Custom Capture Library	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SSel XT HS Human All Exon V7, 16 Reactions	No specific data.

5.3 Advice for firefighters

Special precautions for fire-fighters

: End Repair-A Tailing Enzyme Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
End Repair-A Tailing Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
T4 DNA Ligase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be

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Ligation Buffer	taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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.
Herculase II Fusion DNA Polymerase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
5X Herculase II Reaction Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Binding Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS and XT Low Input Blocker Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Fast Hybridization Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect RNase Block	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Post-Capture Primer Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS Index Primer A03-H04	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SSEL XT HS and XT Low Input Custom Capture Library	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SSEL XT HS Human All Exon V7, 16 Reactions	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: End Repair-A Tailing Enzyme Mix Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
End Repair-A Tailing Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
T4 DNA Ligase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for

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	fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Ligation Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Adaptor Oligo Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Forward Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
100 mM dNTP Mix (25 mM each dNTP)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Herculase II Fusion DNA Polymerase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
5X Herculase II Reaction Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Binding Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Wash Buffer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect XT HS and XT Low Input Blocker Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Fast	Fire-fighters should wear appropriate protective equipment

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Hybridization Buffer	and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect XT HS Index Primer A03-H04	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SSEL XT HS Human All Exon V7, 16 Reactions	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: End Repair-A Tailing Enzyme Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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.

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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 areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect XT HS and XT Low Input Blocker Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Fast Hybridization Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Post-Capture Primer Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect XT HS Index Primer A03-H04	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
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

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For emergency responders

SSel XT HS Human All Exon V7, 16 Reactions	appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
: End Repair-A Tailing Enzyme Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
End Repair-A Tailing Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Ligase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Ligation Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Adaptor Oligo Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Forward Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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

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SureSelect Post-Capture Primer Mix	unsuitable materials. See also the 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".
SureSelect XT HS Index Primer A03-H04	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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 Human All Exon V7, 16 Reactions	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".

6.2 Environmental precautions

: 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).

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SureSelect Wash Buffer 2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT HS and XT Low Input Blocker Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Fast Hybridization Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect RNase Block	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Post-Capture Primer Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT HS Index Primer A03-H04	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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 Human All Exon V7, 16 Reactions	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	: End Repair-A Tailing Enzyme Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	End Repair-A Tailing Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	T4 DNA Ligase	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Ligation Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Adaptor Oligo Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Forward Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose

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100 mM dNTP Mix (25 mM each dNTP)	of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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.
SureSelect Post-Capture Primer Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT HS Index Primer A03-H04	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SSEL XT HS and XT Low Input Custom Capture Library	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SSel XT HS Human All Exon V7, 16 Reactions	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

SECTION 7: Handling and storage

Ligation Buffer	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
Adaptor Oligo Mix	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. 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 before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Binding Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect XT HS 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.

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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 HS Index Primer A03-H04	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SSEL XT HS and XT Low Input Custom Capture Library	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SSEL XT HS Human All Exon V7, 16 Reactions	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage

: End Repair-A Tailing Enzyme Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
End Repair-A Tailing Buffer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
T4 DNA Ligase	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have

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

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

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SureSelect XT HS Index Primer A03-H04	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. 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 Human All Exon V7, 16 Reactions	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.

7.3 Specific end use(s)

Recommendations

: End Repair-A Tailing Enzyme Mix	Industrial applications, Professional applications.
End Repair-A Tailing Buffer	Industrial applications, Professional applications.
T4 DNA Ligase	Industrial applications, Professional applications.
Ligation Buffer	Industrial applications, Professional applications.
Adaptor Oligo Mix	Industrial applications, Professional applications.
Forward Primer	Industrial applications, Professional applications.
100 mM dNTP Mix (25 mM each dNTP)	Industrial applications, Professional applications.
Herculase II Fusion DNA Polymerase	Industrial applications, Professional applications.
5X Herculase II Reaction Buffer	Industrial applications, Professional applications.
SureSelect Binding Buffer	Industrial applications, Professional applications.
SureSelect Wash Buffer 1	Industrial applications, Professional applications.
SureSelect Wash Buffer 2	Industrial applications, Professional applications.
SureSelect XT HS and XT Low Input Blocker Mix	Industrial applications, Professional applications.
SureSelect Fast	Industrial applications, Professional applications.

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	Hybridization Buffer	
	SureSelect RNase Block	Industrial applications, Professional applications.
	SureSelect Post-Capture Primer Mix	Industrial applications, Professional applications.
	SureSelect XT HS Index Primer A03-H04	Industrial applications, Professional applications.
	SSEL XT HS and XT Low Input Custom Capture Library	Industrial applications, Professional applications.
	SSel XT HS Human All Exon V7, 16 Reactions	Industrial applications, Professional applications.
Industrial sector specific solutions	End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT Low Input Blocker Mix	Not available.
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture Primer Mix	Not available.
	SureSelect XT HS Index Primer A03-H04	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSel XT HS Human All Exon V7, 16 Reactions	Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
End Repair-A Tailing Enzyme Mix Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m ³ 8 hours. Form: mist
T4 DNA Ligase Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m ³ 8 hours. Form: mist
Ligation Buffer	

SECTION 8: Exposure controls/personal protection

Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m ³ 8 hours. Form: mist
Herculase II Fusion DNA Polymerase Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m ³ 8 hours. Form: mist
SureSelect RNase Block Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m ³ 8 hours. Form: mist
SSEL XT HS and XT Low Input Custom Capture Library Glycerol	NAOSH (Ireland, 5/2021). Notes: Advisory Occupational Exposure Limit Values (OELVs) OELV: 10 mg/m ³ 8 hours. Form: mist

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures

: Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
5X Herculase II Reaction Buffer Trometamol	DNEL	Long term Oral	8.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	83.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	117.5 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	166.7 mg/kg bw/day	Workers	Systemic
Hexadecan-1-ol, ethoxylated	DNEL	Long term Oral	0.75 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	1.96 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	11.1 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	37.5 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	105 mg/kg bw/day	Workers	Systemic

PNECs

No PNECs available

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection

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

Individual protection measures

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

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

Skin protection

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

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

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

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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

SECTION 9: Physical and chemical properties

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

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: End Repair-A Tailing Enzyme Mix	Liquid.
	: End Repair-A Tailing Buffer	Liquid.
	: T4 DNA Ligase	Liquid.
	: Ligation Buffer	Liquid.
	: Adaptor Oligo Mix	Liquid.
	: Forward Primer	Liquid.
	: 100 mM dNTP Mix (25 mM each dNTP)	Liquid.
	: Herculase II Fusion DNA Polymerase	Liquid.
	: 5X Herculase II Reaction Buffer	Liquid.
	: SureSelect Binding Buffer	Liquid.
	: SureSelect Wash Buffer 1	Liquid.
	: SureSelect Wash Buffer 2	Liquid.
	: SureSelect XT HS and XT Low Input Blocker Mix	Liquid.
	: SureSelect Fast	Liquid.

SECTION 9: Physical and chemical properties

	Hybridization Buffer	
	SureSelect RNase Block	Liquid.
	SureSelect Post-Capture Primer Mix	Liquid.
	SureSelect XT HS Index Primer A03-H04	Liquid.
	SSEL XT HS and XT Low Input Custom Capture Library	Liquid.
	SSEL XT HS Human All Exon V7, 16 Reactions	
Colour	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT Low Input Blocker Mix	Not available.
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture Primer Mix	Not available.
	SureSelect XT HS Index Primer A03-H04	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSEL XT HS Human All Exon V7, 16 Reactions	
Odour	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer	Not available.

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	2	SureSelect XT HS and XT Low Input Blocker Mix	Not available.
		SureSelect Fast Hybridization Buffer	Not available.
		SureSelect RNase Block SureSelect Post- Capture Primer Mix	Not available. Not available.
		SureSelect XT HS Index Primer A03-H04	Not available.
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.
		SSEL XT HS Human All Exon V7, 16 Reactions	Not available.
Odour threshold	:	End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer	Not available. Not available. Not available.
		T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP)	Not available. Not available. Not available. Not available. Not available.
		Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer	Not available. Not available. Not available.
		SureSelect Binding Buffer SureSelect Wash Buffer 1	Not available. Not available. Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer	Not available. Not available.
		SureSelect RNase Block SureSelect Post- Capture Primer Mix	Not available. Not available.
		SureSelect XT HS Index Primer A03-H04	Not available.
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.
		SSEL XT HS Human All Exon V7, 16 Reactions	Not available.
Melting point/freezing point	:	End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer	Not available. Not available. Not available.
		T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP)	Not available. Not available. 0°C 0°C Not available.
		Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer	Not available. Not available. Not available.
		SureSelect Binding	Not available.

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	Buffer	
	SureSelect Wash Buffer 1	0°C
	SureSelect Wash Buffer 2	0°C
	SureSelect XT HS and XT Low Input Blocker Mix	0°C
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture Primer Mix	0°C
	SureSelect XT HS Index Primer A03-H04	0°C
	SSEL XT HS and XT Low Input Custom Capture Library	0°C
	SSel XT HS Human All Exon V7, 16 Reactions	0°C
Initial boiling point and boiling range	: 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	100°C
	Forward Primer	100°C
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	100°C
	SureSelect Wash Buffer 2	100°C
	SureSelect XT HS and XT Low Input Blocker Mix	100°C
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture Primer Mix	100°C
	SureSelect XT HS Index Primer A03-H04	100°C
	SSEL XT HS and XT Low Input Custom Capture Library	100°C
	SSel XT HS Human All Exon V7, 16 Reactions	100°C
Flammability	: 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	Not applicable.

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Polymerase
 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 SureSelect Post-Capture Primer Mix Not applicable.
 SureSelect XT HS Index Primer A03-H04 Not applicable.
 SSEL XT HS and XT Low Input Custom Capture Library Not applicable.
 SSEL XT HS Human All Exon V7, 16 Reactions
 End Repair-A Tailing Enzyme Mix Not available.
 End Repair-A Tailing Buffer Not available.
 T4 DNA Ligase Ligation Buffer Not available.
 Adaptor Oligo Mix Forward Primer Not available.
 100 mM dNTP Mix (25 mM each dNTP) Not available.
 Herculase II Fusion DNA Polymerase Not available.
 5X Herculase II Reaction Buffer Not available.
 SureSelect Binding Buffer Not available.
 SureSelect Wash Buffer 1 Not available.
 SureSelect Wash Buffer 2 Not available.
 SureSelect XT HS and XT Low Input Blocker Mix Not available.
 SureSelect Fast Hybridization Buffer Not available.
 SureSelect RNase Block SureSelect Post-Capture Primer Mix Not available.
 SureSelect XT HS Index Primer A03-H04 Not available.
 SSEL XT HS and XT Low Input Custom Capture Library Not available.
 SSEL XT HS Human All Exon V7, 16 Reactions

Upper/lower flammability or explosive limits :

Flash point :

SECTION 9: Physical and chemical properties

Ingredient name	Closed cup		Open cup	
	°C	Method	°C	Method
End Repair-A Tailing Enzyme Mix				
glycerol	-	-	177	-
T4 DNA Ligase				
glycerol	-	-	177	-
Ligation Buffer				
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	171 to 235	-	199 to 238	-
glycerol	-	-	177	-
Herculase II Fusion DNA Polymerase				
glycerol	-	-	177	-
SureSelect RNase Block				
glycerol	-	-	177	-
SSEL XT HS and XT Low Input Custom Capture Library				
glycerol	-	-	177	-

Auto-ignition temperature

Ingredient name	°C	Method
End Repair-A Tailing Enzyme Mix		
glycerol	370	-
T4 DNA Ligase		
glycerol	370	-
Ligation Buffer		
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	360	-
glycerol	370	-
Herculase II Fusion DNA Polymerase		
glycerol	370	-
SureSelect RNase Block		
glycerol	370	-
SSEL XT HS and XT Low Input Custom		

SECTION 9: Physical and chemical properties

	Capture Library		
	glycerol	370	-
Decomposition temperature	: End Repair-A Tailing Enzyme Mix	Not available.	
	End Repair-A Tailing Buffer	Not available.	
	T4 DNA Ligase	Not available.	
	Ligation Buffer	Not available.	
	Adaptor Oligo Mix	Not available.	
	Forward Primer	Not available.	
	100 mM dNTP Mix (25 mM each dNTP)	Not available.	
	Herculase II Fusion DNA Polymerase	Not available.	
	5X Herculase II Reaction Buffer	Not available.	
	SureSelect Binding Buffer	Not available.	
	SureSelect Wash Buffer 1	Not available.	
	SureSelect Wash Buffer 2	Not available.	
	SureSelect XT HS and XT Low Input Blocker Mix	Not available.	
	SureSelect Fast Hybridization Buffer	Not available.	
	SureSelect RNase Block	Not available.	
	SureSelect Post-Capture Primer Mix	Not available.	
	SureSelect XT HS Index Primer A03-H04	Not available.	
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.	
	SSel XT HS Human All Exon V7, 16 Reactions	Not available.	
pH	: End Repair-A Tailing Enzyme Mix	6.5	
	End Repair-A Tailing Buffer	8	
	T4 DNA Ligase	7.5	
	Ligation Buffer	8	
	Adaptor Oligo Mix	7.5	
	Forward Primer	7.5	
	100 mM dNTP Mix (25 mM each dNTP)	7.5	
	Herculase II Fusion DNA Polymerase	8.2	
	5X Herculase II Reaction Buffer	9.5 to 10.5	
	SureSelect Binding Buffer	7.5	
	SureSelect Wash Buffer 1	7.5	
	SureSelect Wash Buffer 2	7	
	SureSelect XT HS and XT Low Input Blocker Mix	7.5	
	SureSelect Fast Hybridization Buffer	Not available.	
	SureSelect RNase Block	7.6	
	SureSelect Post-Capture Primer Mix	7.5	

SECTION 9: Physical and chemical properties

SureSelect XT HS Index 7.5
 Primer A03-H04
 SSEL XT HS and XT Not available.
 Low Input Custom
 Capture Library
 SSeI XT HS Human All Exon V7, 16 Reactions Not available.
 End Repair-A Tailing Enzyme Mix Not available.
 End Repair-A Tailing Buffer Not available.
 T4 DNA Ligase Not available.
 Ligation Buffer Not available.
 Adaptor Oligo Mix Not available.
 Forward Primer Not available.
 100 mM dNTP Mix (25 mM each dNTP) Not available.
 Herculase II Fusion DNA Polymerase Not available.
 5X Herculase II Reaction Buffer Not available.
 SureSelect Binding Buffer Not available.
 SureSelect Wash Buffer 1 Not available.
 SureSelect Wash Buffer 2 Not available.
 SureSelect XT HS and XT Low Input Blocker Mix Not available.
 SureSelect Fast Hybridization Buffer Not available.
 SureSelect RNase Block Not available.
 SureSelect Post-Capture Primer Mix Not available.
 SureSelect XT HS Index Primer A03-H04 Not available.
 SSEL XT HS and XT Low Input Custom Capture Library Not available.
 SSeI XT HS Human All Exon V7, 16 Reactions Not available.

Viscosity

:

Solubility(ies)

:

Media	Result
End Repair-A Tailing Enzyme Mix water	Soluble
End Repair-A Tailing Buffer water	Soluble
T4 DNA Ligase water	Soluble
Ligation Buffer water	Soluble
Adaptor Oligo Mix water	Soluble
Forward Primer water	Soluble
100 mM dNTP Mix (25 mM each dNTP) water	Soluble
Herculase II Fusion DNA Polymerase water	Soluble
5X Herculase II Reaction Buffer water	Soluble
SureSelect Binding Buffer water	Soluble
SureSelect Wash Buffer 1	

SECTION 9: Physical and chemical properties

water SureSelect Wash Buffer 2	Soluble
water SureSelect XT HS and XT Low Input Blocker Mix	Soluble
water SureSelect Fast Hybridization Buffer	Soluble
water SureSelect RNase Block	Soluble
water SureSelect Post- Capture Primer Mix	Soluble
water SureSelect XT HS Index Primer A03-H04	Soluble
water SSEL XT HS and XT Low Input Custom Capture Library	Soluble
water SSel XT HS Human All Exon V7, 16 Reactions	Soluble
water	Soluble

Partition coefficient: n-octanol/water

: End Repair-A Tailing Enzyme Mix	Not applicable.
: End Repair-A Tailing Buffer	Not applicable.
: T4 DNA Ligase	Not applicable.
: Ligation Buffer	Not applicable.
: Adaptor Oligo Mix	Not applicable.
: Forward Primer	Not applicable.
: 100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
: Herculase II Fusion DNA Polymerase	Not applicable.
: 5X Herculase II Reaction Buffer	Not applicable.
: SureSelect Binding Buffer	Not applicable.
: SureSelect Wash Buffer 1	Not applicable.
: SureSelect Wash Buffer 2	Not applicable.
: SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
: SureSelect Fast Hybridization Buffer	Not applicable.
: SureSelect RNase Block	Not applicable.
: SureSelect Post-Capture Primer Mix	Not applicable.
: SureSelect XT HS Index Primer A03-H04	Not applicable.
: SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
: SSel XT HS Human All Exon V7, 16 Reactions	Not applicable.

Vapour pressure

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method

SECTION 9: Physical and chemical properties

End Repair-A Tailing Enzyme Mix							
water	17.5	2.3	-	92.258	12.3	-	
glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
End Repair-A Tailing Buffer							
water	17.5	2.3	-	92.258	12.3	-	
T4 DNA Ligase							
water	17.5	2.3	-	92.258	12.3	-	
glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
Ligation Buffer							
water	17.5	2.3	-	92.258	12.3	-	
glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
Adaptor Oligo Mix							
water	17.5	2.3	-	92.258	12.3	-	
Forward Primer							
water	17.5	2.3	-	92.258	12.3	-	
100 mM dNTP Mix (25 mM each dNTP)							
water	17.5	2.3	-	92.258	12.3	-	
Herculase II Fusion DNA Polymerase							
water	17.5	2.3	-	92.258	12.3	-	
glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
5X Herculase II Reaction Buffer							
water	17.5	2.3	-	92.258	12.3	-	
trometamol	<0.00075006	<0.0001	-	-	-	-	
SureSelect Binding Buffer							
water	17.5	2.3	-	92.258	12.3	-	

SECTION 9: Physical and chemical properties

SureSelect Wash Buffer 1							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Wash Buffer 2							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect XT HS and XT Low Input Blocker Mix							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Fast Hybridization Buffer							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect RNase Block							
water	17.5	2.3	-	92.258	12.3	-	
glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
SureSelect Post-Capture Primer Mix							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect XT HS Index Primer A03-H04							
water	17.5	2.3	-	92.258	12.3	-	
SSEL XT HS and XT Low Input Custom Capture Library							
water	17.5	2.3	-	92.258	12.3	-	
glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
SSEL XT HS Human All Exon V7, 16 Reactions							
water	17.5	2.3	-	92.258	12.3	-	

SECTION 9: Physical and chemical properties

Evaporation rate	:	End Repair-A Tailing Enzyme Mix	Not available.	
		End Repair-A Tailing Buffer	Not available.	
		T4 DNA Ligase	Not available.	
		Ligation Buffer	Not available.	
		Adaptor Oligo Mix	Not available.	
		Forward Primer	Not available.	
		100 mM dNTP Mix (25 mM each dNTP)	Not available.	
		Herculase II Fusion DNA Polymerase	Not available.	
		5X Herculase II Reaction Buffer	Not available.	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	Not available.	
		SureSelect Wash Buffer 2	Not available.	
		SureSelect XT HS and XT Low Input Blocker Mix	Not available.	
		SureSelect Fast Hybridization Buffer	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect Post-Capture Primer Mix	Not available.	
		SureSelect XT HS Index Primer A03-H04	Not available.	
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.	
		SSEL XT HS Human All Exon V7, 16 Reactions	Not available.	
	Relative density	:	End Repair-A Tailing Enzyme Mix	Not available.
			End Repair-A Tailing Buffer	Not available.
			T4 DNA Ligase	Not available.
			Ligation Buffer	Not available.
			Adaptor Oligo Mix	Not available.
			Forward Primer	Not available.
			100 mM dNTP Mix (25 mM each dNTP)	Not available.
			Herculase II Fusion DNA Polymerase	Not available.
			5X Herculase II Reaction Buffer	Not available.
			SureSelect Binding Buffer	Not available.
			SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.	
		SureSelect XT HS and XT Low Input Blocker Mix	Not available.	
		SureSelect Fast Hybridization Buffer	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect Post-Capture Primer Mix	Not available.	
		SureSelect XT HS Index Primer A03-H04	Not available.	
		SSEL XT HS and XT	Not available.	

SECTION 9: Physical and chemical properties

	Low Input Custom Capture Library	
	SSel XT HS Human All Exon V7, 16 Reactions	Not available.
Vapour density	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT Low Input Blocker Mix	Not available.
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture Primer Mix	Not available.
	SureSelect XT HS Index Primer A03-H04	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSel XT HS Human All Exon V7, 16 Reactions	Not available.
Explosive 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-	Not available.

SECTION 9: Physical and chemical properties

	Capture Primer Mix	
	SureSelect XT HS Index	Not available.
	Primer A03-H04	
	SSEL XT HS and XT	Not available.
	Low Input Custom	
	Capture Library	
	SSel XT HS Human All	Not available.
	Exon V7, 16 Reactions	
Oxidising properties	:	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 each dNTP)
		Herculase II Fusion DNA
		Polymerase
		5X Herculase II Reaction
		Buffer
		SureSelect Binding
		Buffer
		SureSelect Wash Buffer
		1
		SureSelect Wash Buffer
		2
		SureSelect XT HS and
		XT Low Input Blocker Mix
		SureSelect Fast
		Hybridization Buffer
		SureSelect RNase Block
		SureSelect Post-
		Capture Primer Mix
		SureSelect XT HS Index
		Primer A03-H04
		SSEL XT HS and XT
		Low Input Custom
		Capture Library
		SSel XT HS Human All
		Exon V7, 16 Reactions

Particle characteristics

Median particle size	:	End Repair-A Tailing	Not applicable.
		Enzyme Mix	
		End Repair-A Tailing	Not applicable.
		Buffer	
		T4 DNA Ligase	Not applicable.
		Ligation Buffer	Not applicable.
		Adaptor Oligo Mix	Not applicable.
		Forward Primer	Not applicable.
		100 mM dNTP Mix (25	Not applicable.
		mM each dNTP)	
		Herculase II Fusion DNA	Not applicable.
		Polymerase	
		5X Herculase II Reaction	Not applicable.
		Buffer	
		SureSelect Binding	Not applicable.
		Buffer	
		SureSelect Wash Buffer	Not applicable.
		1	
		SureSelect Wash Buffer	Not applicable.
		2	

SECTION 9: Physical and chemical properties

SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
SureSelect Fast Hybridization Buffer	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Post-Capture Primer Mix	Not applicable.
SureSelect XT HS Index Primer A03-H04	Not applicable.
SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
SSEL XT HS Human All Exon V7, 16 Reactions	Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

: End Repair-A Tailing Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.
End Repair-A Tailing Buffer	No specific test data related to reactivity available for this product or its ingredients.
T4 DNA Ligase	No specific test data related to reactivity available for this product or its ingredients.
Ligation Buffer	No specific test data related to reactivity available for this product or its ingredients.
Adaptor Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.
Forward Primer	No specific test data related to reactivity available for this product or its ingredients.
100 mM dNTP Mix (25 mM each dNTP)	No specific test data related to reactivity available for this product or its ingredients.
Herculase II Fusion DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
5X Herculase II Reaction Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Binding Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Wash Buffer 1	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Wash Buffer 2	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT HS and XT Low Input Blocker Mix	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Fast Hybridization Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect RNase Block	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Post-Capture Primer Mix	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT HS Index Primer A03-H04	No specific test data related to reactivity available for this product or its ingredients.
SSEL XT HS and XT Low Input Custom Capture Library	No specific test data related to reactivity available for this product or its ingredients.
SSEL XT HS Human All Exon V7, 16 Reactions	No specific test data related to reactivity available for this product or its ingredients.

SECTION 10: Stability and reactivity

10.2 Chemical stability	:	End Repair-A Tailing Enzyme Mix	The product is stable.
		End Repair-A Tailing Buffer	The product is stable.
		T4 DNA Ligase	The product is stable.
		Ligation Buffer	The product is stable.
		Adaptor Oligo Mix	The product is stable.
		Forward Primer	The product is stable.
		100 mM dNTP Mix (25 mM each dNTP)	The product is stable.
		Herculase II Fusion DNA Polymerase	The product is stable.
		5X Herculase II Reaction Buffer	The product is stable.
		SureSelect Binding Buffer	The product is stable.
		SureSelect Wash Buffer 1	The product is stable.
		SureSelect Wash Buffer 2	The product is stable.
		SureSelect XT HS and XT Low Input Blocker Mix	The product is stable.
		SureSelect Fast Hybridization Buffer	The product is stable.
		SureSelect RNase Block	The product is stable.
		SureSelect Post-Capture Primer Mix	The product is stable.
		SureSelect XT HS Index Primer A03-H04	The product is stable.
		SSEL XT HS and XT Low Input Custom Capture Library	The product is stable.
		SSEL XT HS Human All Exon V7, 16 Reactions	The product is stable.
10.3 Possibility of hazardous reactions	:	End Repair-A Tailing Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		End Repair-A Tailing Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
		T4 DNA Ligase	Under normal conditions of storage and use, hazardous reactions will not occur.
		Ligation Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
		Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		Forward Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
		100 mM dNTP Mix (25 mM each dNTP)	Under normal conditions of storage and use, hazardous reactions will not occur.
		Herculase II Fusion DNA Polymerase	Under normal conditions of storage and use, hazardous reactions will not occur.
		5X Herculase II Reaction Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
		SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
		SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous reactions will not occur.
		SureSelect Wash Buffer 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.

SECTION 10: Stability and reactivity

SureSelect RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Post-Capture Primer Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect XT HS Index Primer A03-H04	Under normal conditions of storage and use, hazardous reactions will not occur.
SSEL XT HS and XT Low Input Custom Capture Library	Under normal conditions of storage and use, hazardous reactions will not occur.
SSel XT HS Human All Exon V7, 16 Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

: End Repair-A Tailing Enzyme Mix	No specific data.
End Repair-A Tailing Buffer	No specific data.
T4 DNA Ligase	No specific data.
Ligation Buffer	No specific data.
Adaptor Oligo Mix	No specific data.
Forward Primer	No specific data.
100 mM dNTP Mix (25 mM each dNTP)	No specific data.
Herculase II Fusion DNA Polymerase	No specific data.
5X Herculase II Reaction Buffer	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
SureSelect Fast Hybridization Buffer	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Post-Capture Primer Mix	No specific data.
SureSelect XT HS Index Primer A03-H04	No specific data.
SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
SSel XT HS Human All Exon V7, 16 Reactions	No specific data.

10.5 Incompatible materials

: End Repair-A Tailing Enzyme Mix	May react or be incompatible with oxidising materials.
End Repair-A Tailing Buffer	May react or be incompatible with oxidising materials.
T4 DNA Ligase	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 Polymerase	May react or be incompatible with oxidising materials.
5X Herculase II Reaction Buffer	May react or be incompatible with oxidising materials.
SureSelect Binding Buffer	May react or be incompatible with oxidising materials.

SECTION 10: Stability and reactivity

SureSelect Wash Buffer 1	May react or be incompatible with oxidising materials.
SureSelect Wash Buffer 2	May react or be incompatible with oxidising materials.
SureSelect XT HS and XT Low Input Blocker Mix	May react or be incompatible with oxidising materials.
SureSelect Fast Hybridization Buffer	May react or be incompatible with oxidising materials.
SureSelect RNase Block	May react or be incompatible with oxidising materials.
SureSelect Post-Capture Primer Mix	May react or be incompatible with oxidising materials.
SureSelect XT HS Index Primer A03-H04	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 Human All Exon V7, 16 Reactions	May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products

: End Repair-A Tailing Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
End Repair-A Tailing Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Ligase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Ligation Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Forward Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
100 mM dNTP Mix (25 mM each dNTP)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Herculase II Fusion DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
5X Herculase II Reaction Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT HS and XT Low Input Blocker Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Fast Hybridization Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Post-Capture Primer Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT HS Index Primer A03-H04	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SSEL XT HS and XT Low Input Custom Capture Library	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SSEL XT HS Human All Exon V7, 16 Reactions	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
5X Herculase II Reaction Buffer				
Trometamol	LD50 Dermal	Rat	>5000 mg/kg	-
Hexadecan-1-ol, ethoxylated	LD50 Oral	Rat	2500 mg/kg	-

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
5X Herculase II Reaction Buffer					
Hexadecan-1-ol, ethoxylated	2500	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
5X Herculase II Reaction Buffer					
Trometamol	Skin - Moderate irritant	Rabbit	-	25 %	-
	Skin - Severe irritant	Rabbit	-	500 mg	-

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

: End Repair-A Tailing Enzyme Mix	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
: End Repair-A Tailing Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
: T4 DNA Ligase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
: Ligation Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
: Adaptor Oligo Mix	Not available.
: Forward Primer	Not available.
: 100 mM dNTP Mix (25 mM each dNTP)	Not available.
: Herculase II Fusion DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
: 5X Herculase II Reaction Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
: SureSelect Binding Buffer	Not available.

SECTION 11: Toxicological information

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, Eyes.
SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect Post-Capture Primer Mix	Not available.
SureSelect XT HS Index Primer A03-H04	Not available.
SSEL XT HS and XT Low Input Custom Capture Library	Not available.
SSel XT HS Human All Exon V7, 16 Reactions	Not available.

Potential acute health effects

Inhalation	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	:	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	:	T4 DNA Ligase	No known significant effects or critical hazards.
	:	Ligation Buffer	No known significant effects or critical hazards.
	:	Adaptor Oligo Mix	No known significant effects or critical hazards.
	:	Forward Primer	No known significant effects or critical hazards.
	:	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	:	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	:	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
	:	SureSelect Binding Buffer	No known significant effects or critical hazards.
	:	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	:	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	:	SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
	:	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	:	SureSelect RNase Block	No known significant effects or critical hazards.
	:	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
	:	SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
	:	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	:	SSel XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.
	Ingestion	:	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.

SECTION 11: Toxicological information

	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSEL XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.
Skin contact	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSEL XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Eye contact	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		Ligation Buffer	No known significant effects or critical hazards.
		Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
		SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
		SSEL XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

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

SECTION 11: Toxicological information

	Primer A03-H04	
	SSEL XT HS and XT	No specific data.
	Low Input Custom	
	Capture Library	
	SSEL XT HS Human All	No specific data.
	Exon V7, 16 Reactions	
Ingestion	: End Repair-A Tailing	No specific data.
	Enzyme Mix	
	End Repair-A Tailing	No specific data.
	Buffer	
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25	No specific data.
	mM each dNTP)	
	Herculase II Fusion DNA	No specific data.
	Polymerase	
	5X Herculase II Reaction	No specific data.
	Buffer	
	SureSelect Binding	No specific data.
	Buffer	
	SureSelect Wash Buffer	No specific data.
	1	
	SureSelect Wash Buffer	No specific data.
	2	
	SureSelect XT HS and	No specific data.
	XT Low Input Blocker Mix	
	SureSelect Fast	No specific data.
	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post-	No specific data.
	Capture Primer Mix	
	SureSelect XT HS Index	No specific data.
	Primer A03-H04	
	SSEL XT HS and XT	No specific data.
	Low Input Custom	
	Capture Library	
	SSEL XT HS Human All	No specific data.
	Exon V7, 16 Reactions	
Skin contact	: End Repair-A Tailing	No specific data.
	Enzyme Mix	
	End Repair-A Tailing	No specific data.
	Buffer	
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25	No specific data.
	mM each dNTP)	
	Herculase II Fusion DNA	No specific data.
	Polymerase	
	5X Herculase II Reaction	No specific data.
	Buffer	
	SureSelect Binding	No specific data.
	Buffer	
	SureSelect Wash Buffer	No specific data.
	1	
	SureSelect Wash Buffer	No specific data.
	2	
	SureSelect XT HS and	No specific data.
	XT Low Input Blocker Mix	
	SureSelect Fast	No specific data.

SECTION 11: Toxicological information

	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post-Capture Primer Mix	No specific data.
	SureSelect XT HS Index Primer A03-H04	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	SSel XT HS Human All Exon V7, 16 Reactions	No specific data.
Eye contact	: End Repair-A Tailing Enzyme Mix	No specific data.
	: End Repair-A Tailing Buffer	No specific data.
	: T4 DNA Ligase	No specific data.
	: Ligation Buffer	No specific data.
	: Adaptor Oligo Mix	No specific data.
	: Forward Primer	No specific data.
	: 100 mM dNTP Mix (25 mM each dNTP)	No specific data.
	: Herculase II Fusion DNA Polymerase	No specific data.
	: 5X Herculase II Reaction Buffer	No specific data.
	: SureSelect Binding Buffer	No specific data.
	: SureSelect Wash Buffer 1	No specific data.
	: SureSelect Wash Buffer 2	No specific data.
	: SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
	: SureSelect Fast Hybridization Buffer	No specific data.
	: SureSelect RNase Block	No specific data.
	: SureSelect Post-Capture Primer Mix	No specific data.
	: SureSelect XT HS Index Primer A03-H04	No specific data.
	: SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	: SSel XT HS Human All Exon V7, 16 Reactions	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

Conclusion/Summary : Not available.

SECTION 11: Toxicological information

General	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.	
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.	
		T4 DNA Ligase	No known significant effects or critical hazards.	
		Ligation Buffer	No known significant effects or critical hazards.	
		Adaptor Oligo Mix	No known significant effects or critical hazards.	
		Forward Primer	No known significant effects or critical hazards.	
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.	
		SureSelect Binding Buffer	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.	
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.	
		SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.	
		SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.	
		SSEL XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.	
	Carcinogenicity	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
			End Repair-A Tailing Buffer	No known significant effects or critical hazards.
			T4 DNA Ligase	No known significant effects or critical hazards.
			Ligation Buffer	No known significant effects or critical hazards.
			Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.	
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.	
		SureSelect Binding Buffer	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.	
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.	
		SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.	

SECTION 11: Toxicological information

Mutagenicity	:	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
		SSel XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.
		End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		Ligation Buffer	No known significant effects or critical hazards.
		Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
		Reproductive toxicity	:
SSel XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.		
End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.		
End Repair-A Tailing Buffer	No known significant effects or critical hazards.		
T4 DNA Ligase	No known significant effects or critical hazards.		
Ligation Buffer	No known significant effects or critical hazards.		
Adaptor Oligo Mix	No known significant effects or critical hazards.		
Forward Primer	No known significant effects or critical hazards.		
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 XT HS Reagent Kit, index 17-32 + Human All Exon V7 Target Enrichment Baits, 16 rxn

SECTION 11: Toxicological information

SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
SSEL XT HS Human All Exon V7, 16 Reactions	No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

End Repair-A Tailing Buffer	Adverse symptoms may include the following: May cause skin sensitisation.
SureSelect RNase Block	Adverse symptoms may include the following: May cause skin sensitisation.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
5X Herculase II Reaction Buffer			
Trometamol	Acute EC50 >980 mg/l Fresh water	Daphnia	48 hours
	Acute NOEC 520 mg/l Fresh water	Daphnia	48 hours
Hexadecan-1-ol, ethoxylated	Acute LC50 330000 to 1000000 µg/l Marine water	Crustaceans - <i>Crangon crangon</i> - Adult	48 hours

12.2 Persistence and degradability

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

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

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
5X Herculase II Reaction Buffer			
Trometamol	-2.31	-	Low
Hexadecan-1-ol, ethoxylated	>6.06	-	High

12.4 Mobility in soil

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

Mobility : Not available.

SECTION 12: Ecological information

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

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

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

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

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

Additional information

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

SECTION 14: Transport information

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

SECTION 15: Regulatory information

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

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

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

No listed substance

Label	:	End Repair-A Tailing Enzyme Mix	Not applicable.
		End Repair-A Tailing Buffer	Not applicable.
		T4 DNA Ligase	Not applicable.
		Ligation Buffer	Not applicable.
		Adaptor Oligo Mix	Not applicable.
		Forward Primer	Not applicable.
		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	Not applicable.
		Low Input Blocker Mix	Not applicable.
		SureSelect Fast Hybridization Buffer	Not applicable.
		SureSelect RNase Block	Not applicable.
		SureSelect Post- Capture Primer Mix	Not applicable.
		SureSelect XT HS Index Primer A03-H04	Not applicable.
		SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
		SSEL XT HS Human All Exon V7, 16 Reactions	Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

SECTION 15: Regulatory information

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Eurasian Economic Union	: Russian Federation inventory: Not determined.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

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

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

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

Classification	Justification
Not classified.	

Full text of abbreviated H statements

5X Herculase II Reaction Buffer H315 H319 H411	Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
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SureSelect XT HS Reagent Kit, index 17-32 + Human All Exon V7 Target Enrichment Baits, 16 rxn

SECTION 16: Other information

[Full text of classifications \[CLP/GHS\]](#)

5X Herculase II Reaction Buffer Aquatic Chronic 2 Eye Irrit. 2 Skin Irrit. 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2
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Date of issue/ Date of revision : 17/07/2024

Date of previous issue : No previous validation

Version : 1

Note * : *SureSelect XT HS Index Primer A03-H04: 5190-9740, 5190-9741, 5190-9742, 5190-9743, 5190-9744, 5190-9745, 5190-9746, 5190-9747, 5190-9748, 5190-9749, 5190-9750, 5190-9751, 5190-9752, 5190-9753, 5190-9754, 5190-9755

Notice to reader

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