

SAFETY DATA SHEET

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

Section 1. Identification

Product identifier	: SureSelect XT HS Reagent Kit with indexes 17-32, 16 reactions
Part no. (chemical kit)	: G9702B
Part no.	: <u>SureSelect XT HS Library Preparation Kit</u> 5500-0138 <u>for ILM (Pre PCR), 16 Rxn</u> 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</u> 5500-0138/5190-9684 <u>for ILM (Pre PCR), 16 Rxn / SureSelect</u> <u>XT HS Target Enrichment Kit, ILM Hyb</u> <u>Module, Box 2 (Post PCR), 16 Rxn</u> 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,</u> 5190-9685 <u>ILM Hyb Module, Box 1 (Post PCR), 16</u> <u>Rxn</u> SureSelect Binding Buffer 5190-4399 SureSelect Wash Buffer 1 5190-4400 SureSelect Wash Buffer 2 5190-4401 <u>SureSelect XT HS Target Enrichment Kit,</u> 5190-9684 <u>ILM Hyb Module, Box 2 (Post PCR), 16</u> <u>Rxn</u> 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</u> 5500-0142 <u>for ILM (Pre PCR)</u> SureSelect XT HS Index Primer A03-H04 Various*

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

Identified uses	: <input checked="" type="checkbox"/> Analytical reagent. For research use only.
	<input checked="" type="checkbox"/> 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) 0.09 ml Herculase II Fusion DNA Polymerase 0.016 ml (32 reactions) 5X Herculase II Reaction Buffer 1.5 ml SureSelect Binding Buffer 13.2 ml SureSelect Wash Buffer 1 8 ml SureSelect Wash Buffer 2 24 ml SureSelect XT HS and XT Low Input Blocker 0.08 ml (16 reactions) Mix SureSelect Fast Hybridization Buffer 0.45 ml SureSelect RNase Block 0.016 ml SureSelect Post- Capture Primer Mix 0.016 ml (16 reactions)

Section 1. Identification

	SureSelect XT HS Index Primer A03-H04	16 x 0.01 ml (16 reactions)
Uses advised against	:  Not for use in diagnostic procedures.	
Supplier/Manufacturer	: Agilent Technologies Australia Pty Ltd 679 Springvale Road Mulgrave Victoria 3170, Australia 1800 802 402	
Emergency telephone number (with hours of operation)	: CHEMTREC®: +(61)-290372994	
Note *	: A kit containing Agilent Part Number: 5500-0138, 5190-9684, 5190-9685, 5500-0142 *SureSelect XT HS Index Primer A03-H04: 5190-9740, 5190-9741, 5190-9742, 5190-9743, 5190-9744, 5190-9745, 5190-9746, 5190-9747, 5190-9748, 5190-9749, 5190-9750, 5190-9751, 5190-9752, 5190-9753, 5190-9754, 5190-9755	

Section 2. Hazard(s) identification

Classification of the substance or mixture

End Repair-A Tailing

Enzyme Mix

H320

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

T4 DNA Ligase

H320

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

Ligation Buffer

H320

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

Herculase II Fusion DNA Polymerase

H320

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

5X Herculase II Reaction Buffer

H319

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

SureSelect RNase Block

H320


SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

100 mM dNTP Mix (25 mM each dNTP)
SureSelect Fast Hybridization Buffer

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.3%
Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 31.3%

GHS label elements

Hazard pictograms

:  5X Herculase II Reaction Buffer

Signal word

:  End Repair-A Tailing Enzyme Mix	WARNING
End Repair-A Tailing Buffer	No signal word.
T4 DNA Ligase	WARNING
Ligation Buffer	WARNING
Adaptor Oligo Mix	No signal word.
Forward Primer	No signal word.
100 mM dNTP Mix (25 mM	No signal word.

Section 2. Hazard(s) identification

	each dNTP)	
	Herculase II Fusion DNA Polymerase	WARNING
	5X Herculase II Reaction Buffer	WARNING
	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	WARNING
	SureSelect Post- Capture Primer Mix	No signal word.
	SureSelect XT HS Index Primer A03-H04	No signal word.
Hazard statements	: End Repair-A Tailing Enzyme Mix	H320 - Causes eye irritation.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	H320 - Causes eye irritation.
	Ligation Buffer	H320 - Causes eye irritation.
	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	H320 - Causes eye irritation.
	5X Herculase II Reaction Buffer	H319 - Causes serious eye irritation.
	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	H320 - Causes eye irritation.
	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.

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	P280 - Wear eye or face protection.
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.

Section 2. Hazard(s) identification

	SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A03-H04	Not applicable.
Response	End Repair-A Tailing Enzyme Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Ligation Buffer	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
	Herculase II Fusion DNA Polymerase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	5X Herculase II Reaction Buffer	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	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.
Storage	SureSelect Fast Hybridization Buffer	Not applicable.
	SureSelect RNase Block	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	SureSelect Post- Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A03-H04	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	Not applicable.

Section 2. Hazard(s) identification

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

Supplemental label elements

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

Section 2. Hazard(s) identification

Primer A03-H04

Other hazards which do not result in classification	End Repair-A Tailing	None known.
	Enzyme Mix	
	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.
	Primer A03-H04	

Section 3. Composition and ingredient information

Substance/mixture	End Repair-A Tailing	Mixture
	Enzyme Mix	
	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
	Primer A03-H04	

CAS number/other identifiers

Section 3. Composition and ingredient information

Ingredient name	% (w/w)	CAS number
End Repair-A Tailing Enzyme Mix		
Glycerol	≥30 - ≤60	56-81-5
T4 DNA Ligase		
Glycerol	≥30 - ≤60	56-81-5
Ligation Buffer		
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	25322-68-3
Glycerol	≥10 - ≤30	56-81-5
Herculase II Fusion DNA Polymerase		
Glycerol	≥30 - ≤60	56-81-5
5X Herculase II Reaction Buffer		
Hexadecan-1-ol, ethoxylated	<3	9004-95-9
SureSelect RNase Block		
Glycerol	≥30 - ≤60	56-81-5

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

The total concentration of ingredients in this product, reported or not in this section, is 100%.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	End Repair-A Tailing Enzyme Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
		End Repair-A Tailing Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
		T4 DNA Ligase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
		Ligation Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
		Adaptor Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get

Section 4. First aid measures

Forward Primer	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.
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. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
5X Herculase II Reaction Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
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. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
SureSelect Post- Capture Primer Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect XT HS Index Primer A03-H04	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation : End Repair-A Tailing Enzyme Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
End Repair-A Tailing Buffer	Remove victim to fresh air and keep at rest in a

Section 4. First aid measures

T4 DNA Ligase

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.

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ligation Buffer

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

5X Herculase II Reaction Buffer

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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

Section 4. First aid measures

SureSelect Binding Buffer	48 hours. 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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Post- Capture Primer Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT HS Index Primer A03-H04	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact : End Repair-A Tailing Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
End Repair-A Tailing Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
T4 DNA Ligase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ligation Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
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. Wash clothing

Section 4. First aid measures

	5X Herculase II Reaction Buffer	before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	SureSelect Post- Capture Primer Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT HS Index Primer A03-H04	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. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Ingestion	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. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

Ligation Buffer	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
5X Herculase II Reaction Buffer	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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

Section 4. First aid measures

SureSelect Wash Buffer 2

SureSelect XT HS and XT
Low Input Blocker MixSureSelect Fast
Hybridization Buffer

SureSelect RNase Block

SureSelect Post- Capture
Primer MixSureSelect XT HS Index
Primer A03-H04

swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

: 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

Causes eye irritation.
No known significant effects or critical hazards.
Causes eye irritation.
Causes eye irritation.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
Causes eye irritation.
Causes serious eye irritation.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

Section 4. First aid measures

Inhalation

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	Causes eye irritation.
SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
End Repair-A Tailing Buffer	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
Ligation Buffer	No known significant effects or critical hazards.
Adaptor Oligo Mix	No known significant effects or critical hazards.
Forward Primer	No known significant effects or critical hazards.
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.

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.

Section 4. First aid measures

Ingestion

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

Over-exposure signs/symptoms

Eye contact

: End Repair-A Tailing Enzyme Mix	Adverse symptoms may include the following: irritation watering redness
End Repair-A Tailing Buffer	No specific data.
T4 DNA Ligase	Adverse symptoms may include the following: irritation watering redness
Ligation Buffer	Adverse symptoms may include the following: irritation watering redness
Adaptor Oligo Mix	No specific data.
Forward Primer	No specific data.
100 mM dNTP Mix (25 mM each dNTP)	No specific data.
Herculase II Fusion DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
5X Herculase II Reaction Buffer	Adverse symptoms may include the following: pain or irritation watering redness
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	Adverse symptoms may include the following: irritation

Section 4. First aid measures

watering
redness

SureSelect Post- Capture
Primer Mix
SureSelect XT HS Index
Primer A03-H04

No specific data.
No specific data.

Inhalation

: 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

No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.

Skin contact

: 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

No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.

Ingestion

: End Repair-A Tailing
Enzyme Mix
End Repair-A Tailing Buffer
T4 DNA Ligase
Ligation Buffer
Adaptor Oligo Mix
Forward Primer

No specific data.
No specific data.
No specific data.
No specific data.
No specific data.
No specific data.

Section 4. First aid measures

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.

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

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

Section 4. First aid measures

	Hybridization Buffer	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.
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.
Protection of first-aiders	: End Repair-A Tailing Enzyme Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	End Repair-A Tailing Buffer	No action shall be taken involving any personal risk or without suitable training.
	T4 DNA Ligase	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Ligation Buffer	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Adaptor Oligo Mix	No action shall be taken involving any personal risk or without suitable training.
	Forward Primer	No action shall be taken involving any personal risk or without suitable training.
	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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	5X Herculase II Reaction Buffer	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to

Section 4. First aid measures

SureSelect Binding Buffer	the person providing aid to give mouth-to-mouth resuscitation.
SureSelect Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS and XT Low Input Blocker Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Fast Hybridization Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
SureSelect Post- Capture Primer Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS Index Primer A03-H04	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media

: End Repair-A Tailing Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.
: End Repair-A Tailing Buffer	Use an extinguishing agent suitable for the surrounding fire.
T4 DNA Ligase	Use an extinguishing agent suitable for the surrounding fire.
Ligation Buffer	Use an extinguishing agent suitable for the surrounding fire.
Adaptor Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.
Forward Primer	Use an extinguishing agent suitable for the surrounding fire.
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.

Section 5. Firefighting measures

Unsuitable extinguishing media	End Repair-A Tailing Enzyme Mix	None known.
	End Repair-A Tailing Buffer	None known.
	T4 DNA Ligase	None known.
	Ligation Buffer	None known.
	Adaptor Oligo Mix	None known.
	Forward Primer	None known.
	100 mM dNTP Mix (25 mM each dNTP)	None known.
	Herculase II Fusion DNA Polymerase	None known.
	5X Herculase II Reaction Buffer	None known.
	SureSelect Binding Buffer	None known.
	SureSelect Wash Buffer 1	None known.
	SureSelect Wash Buffer 2	None known.
	SureSelect XT HS and XT Low Input Blocker Mix	None known.
	SureSelect Fast Hybridization Buffer	None known.
	SureSelect RNase Block	None known.
	SureSelect Post- Capture Primer Mix	None known.
	SureSelect XT HS Index Primer A03-H04	None known.

Specific hazards arising from the chemical	End Repair-A Tailing Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	End Repair-A Tailing Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	T4 DNA Ligase	In a fire or if heated, a pressure increase will occur and the container may burst.
	Ligation Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	Adaptor Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Forward Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	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.

Section 5. Firefighting measures

Hazardous thermal decomposition products

End Repair-A Tailing Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
End Repair-A Tailing Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
T4 DNA Ligase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Ligation Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Adaptor Oligo Mix	No specific data.
Forward Primer	No specific data.
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.

Section 5. Firefighting measures

Special protective actions for fire-fighters

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

Section 5. Firefighting measures

Special protective equipment for fire-fighters

SureSelect XT HS Index
Primer A03-H04

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.

: End Repair-A Tailing
Enzyme Mix

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

End Repair-A Tailing Buffer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

T4 DNA Ligase

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Ligation Buffer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Adaptor Oligo Mix

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Forward Primer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

100 mM dNTP Mix (25 mM
each dNTP)

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Herculase II Fusion DNA
Polymerase

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

5X Herculase II Reaction
Buffer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect Binding Buffer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect Wash Buffer 1

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect Wash Buffer 2

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect XT HS and XT
Low Input Blocker Mix

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect Fast
Hybridization Buffer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SureSelect RNase Block

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

Section 5. Firefighting measures

SureSelect Post- Capture
Primer Mix

(SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.


SureSelect XT HS Index
Primer A03-H04

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

**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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

End Repair-A Tailing Buffer

No action shall be taken involving any personal 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Adaptor Oligo Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

Forward Primer

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

100 mM dNTP Mix (25 mM
each dNTP)

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

Herculase II Fusion DNA

No action shall be taken involving any personal risk

Section 6. Accidental release measures

Polymerase	or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect Post- Capture Primer Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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

Section 6. Accidental release measures

For emergency responders :	End Repair-A Tailing Enzyme Mix	through spilt material. Put on appropriate personal protective equipment. 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 unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect Post- Capture	If specialised clothing is required to deal with the

Section 6. Accidental release measures

Primer Mix	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".

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).

Section 6. Accidental release measures

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).

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

Section 6. Accidental release measures

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

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

SureSelect XT HS Index
Primer A03-H04

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.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: End Repair-A Tailing
Enzyme Mix

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

End Repair-A Tailing Buffer

Put on appropriate personal protective equipment (see Section 8).

T4 DNA Ligase

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Ligation Buffer

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Adaptor Oligo Mix

Put on appropriate personal protective equipment (see Section 8).

Forward Primer

Put on appropriate personal protective equipment (see Section 8).

100 mM dNTP Mix (25 mM
each dNTP)

Put on appropriate personal protective equipment (see Section 8).

Herculase II Fusion DNA
Polymerase

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

5X Herculase II Reaction
Buffer

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

SureSelect Binding Buffer

Put on appropriate personal protective equipment (see Section 8).

SureSelect Wash Buffer 1

Put on appropriate personal protective equipment (see Section 8).

SureSelect Wash Buffer 2

Put on appropriate personal protective equipment

Section 7. Handling and storage

Advice on general occupational hygiene

SureSelect XT HS and XT Low Input Blocker Mix	(see Section 8). Put on appropriate personal protective equipment (see Section 8).
SureSelect Fast Hybridization Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
SureSelect Post- Capture Primer Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect XT HS Index Primer A03-H04	Put on appropriate personal protective equipment (see Section 8).
: End Repair-A Tailing Enzyme Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
End Repair-A Tailing Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
T4 DNA Ligase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Ligation Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Adaptor Oligo Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Forward Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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

Section 7. Handling and storage

Herculase II Fusion DNA
Polymerase

contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

5X Herculase II Reaction
Buffer

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

SureSelect Binding Buffer

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

SureSelect Wash Buffer 1

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

SureSelect Wash Buffer 2

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

SureSelect XT HS and XT
Low Input Blocker Mix

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

SureSelect Fast
Hybridization Buffer

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

SureSelect RNase Block

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

SureSelect Post- Capture
Primer Mix

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment

Section 7. Handling and storage

SureSelect XT HS Index
Primer A03-H04

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.

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

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

End Repair-A Tailing Buffer

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

T4 DNA Ligase

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

Ligation Buffer

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

Adaptor Oligo Mix

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

Section 7. Handling and storage

Forward Primer

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.

100 mM dNTP Mix (25 mM each dNTP)

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

Herculase II Fusion DNA Polymerase

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

5X Herculase II Reaction Buffer

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

SureSelect Binding Buffer

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

SureSelect Wash Buffer 1

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

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SureSelect Wash Buffer 2

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.

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 Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SureSelect XT HS Index Primer A03-H04

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and

Section 7. Handling and storage

drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
End Repair-A Tailing Enzyme Mix Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
T4 DNA Ligase Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
Ligation Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	DFG MAC-values list (Germany, 7/2023). [Polyethylene glycol (average molecular weight 200 – 600)] PEAK: 400 mg/m ³ , 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m ³ 8 hours. Form: inhalable fraction
Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
Herculase II Fusion DNA Polymerase Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
SureSelect RNase Block Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

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

Environmental exposure controls

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

Individual protection measures

Hygiene measures

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

Section 8. Exposure controls and personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

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

Appearance

Physical state	End Repair-A Tailing	Liquid.
	Enzyme Mix	
	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	Liquid.
	Low Input Blocker Mix	
	SureSelect Fast Hybridization Buffer	Liquid.
	SureSelect RNase Block	Liquid.
	SureSelect Post- Capture Primer Mix	Liquid.
	SureSelect XT HS Index	Liquid.
	Primer A03-H04	

Section 9. Physical and chemical properties and safety characteristics

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.

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

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

Section 9. Physical and chemical properties and safety characteristics

	Buffer	
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT	Not available.
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture	Not available.
	Primer Mix	
	SureSelect XT HS Index	Not available.
	Primer A03-H04	
pH	: End Repair-A Tailing	6.5
	Enzyme Mix	
	End Repair-A Tailing Buffer	8
	T4 DNA Ligase	7.5
	Ligation Buffer	8
	Adaptor Oligo Mix	7.5
	Forward Primer	7.5
	100 mM dNTP Mix (25 mM each dNTP)	7.5
	Herculase II Fusion DNA Polymerase	8.2
	5X Herculase II Reaction Buffer	9.5 to 10.5
	SureSelect Binding Buffer	7.5
	SureSelect Wash Buffer 1	7.5
	SureSelect Wash Buffer 2	7
	SureSelect XT HS and XT	7.5
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	7.6
	SureSelect Post- Capture	7.5
	Primer Mix	
	SureSelect XT HS Index	7.5
	Primer A03-H04	
Melting point/freezing point	: End Repair-A Tailing	Not available.
	Enzyme Mix	
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	0°C (32°F)
	Forward Primer	0°C (32°F)
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	0°C (32°F)
	SureSelect Wash Buffer 2	0°C (32°F)
	SureSelect XT HS and XT	0°C (32°F)
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture	0°C (32°F)
	Primer Mix	

Section 9. Physical and chemical properties and safety characteristics

Boiling point, initial boiling point, and boiling range

SureSelect XT HS Index Primer A03-H04	0°C (32°F)
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 (212°F)
Forward Primer	100°C (212°F)
100 mM dNTP Mix (25 mM each dNTP)	Not available.
Herculase II Fusion DNA Polymerase	Not available.
5X Herculase II Reaction Buffer	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	100°C (212°F)
SureSelect Wash Buffer 2	100°C (212°F)
SureSelect XT HS and XT Low Input Blocker Mix	100°C (212°F)
SureSelect Fast Hybridization Buffer	Not available.
SureSelect RNase Block	Not available.
SureSelect Post- Capture Primer Mix	100°C (212°F)
SureSelect XT HS Index Primer A03-H04	100°C (212°F)

Flash point

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
End Repair-A Tailing Enzyme Mix						
Glycerol	-	-	-	177	350.6	-
T4 DNA Ligase						
Glycerol	-	-	-	177	350.6	-
Ligation Buffer						
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated	171 to 235	339.8 to 455	-	199 to 238	390.2 to 460.4	-
Glycerol	-	-	-	177	350.6	-
Herculase II Fusion DNA Polymerase						
Glycerol	-	-	-	177	350.6	-
SureSelect RNase Block						

Section 9. Physical and chemical properties and safety characteristics

	Glycerol	-	-	-	177	350.6	-
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.					
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 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.					
Lower and upper explosion limit/flammability limit	: End Repair-A Tailing Enzyme Mix	Not available.					
	End Repair-A Tailing Buffer	Not available.					
	T4 DNA Ligase	Not available.					
	Ligation Buffer	Not available.					
	Adaptor Oligo Mix	Not available.					
	Forward Primer	Not available.					
	100 mM dNTP Mix (25 mM each dNTP)	Not available.					
	Herculase II Fusion DNA	Not available.					

Section 9. Physical and chemical properties and safety characteristics

Polymerase	
5X Herculanase 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.

Vapour pressure

Ingredient name	Vapour Pressure at 20 °C			Vapour pressure at 50 °C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
End Repair-A Tailing Enzyme Mix						
water	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	-

Section 9. Physical and chemical properties and safety characteristics

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	-
SureSelect Binding Buffer							
water	17.5	2.3	-		92.258	12.3	-
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	-

Section 9. Physical and chemical properties and safety characteristics

	SureSelect XT HS Index Primer A03-H04						
	water	17.5	2.3	-	92.258	12.3	-

Relative 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.

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.

Section 9. Physical and chemical properties and safety characteristics

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 water	Soluble
	SureSelect Wash Buffer 2 water	Soluble
	SureSelect XT HS and XT Low Input Blocker Mix water	Soluble
	SureSelect Fast Hybridization Buffer water	Soluble
	SureSelect RNase Block water	Soluble
	SureSelect Post- Capture Primer Mix water	Soluble
	SureSelect XT HS Index Primer A03-H04 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.

Section 9. Physical and chemical properties and safety characteristics

SureSelect XT HS Index
Primer A03-H04

Not applicable.

Auto-ignition temperature :

Ingredient name	°C	°F	Method
End Repair-A Tailing Enzyme Mix			
Glycerol	370	698	-
T4 DNA Ligase			
Glycerol	370	698	-
Ligation Buffer			
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	360	680	-
Glycerol	370	698	-
Herculase II Fusion DNA Polymerase			
Glycerol	370	698	-
SureSelect RNase Block			
Glycerol	370	698	-

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.

Section 9. Physical and chemical properties and safety characteristics

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

Particle characteristics

Median particle size	: End Repair-A Tailing Enzyme Mix	Not applicable.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	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.

Section 10. Stability and reactivity

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.

Section 10. Stability and reactivity

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.

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.

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.

Section 10. Stability and reactivity

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.
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.

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.

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	May react or be incompatible with oxidising materials.

Section 10. Stability and reactivity

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

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	Under normal conditions of storage and use,

Section 10. Stability and reactivity

Primer A03-H04

hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
End Repair-A Tailing Enzyme Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
T4 DNA Ligase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Ligation Buffer Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Herculase II Fusion DNA Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
5X Herculase II Reaction Buffer Hexadecan-1-ol, ethoxylated	LD50 Oral	Rat	2500 mg/kg	-
SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
End Repair-A Tailing Enzyme Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
T4 DNA Ligase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Ligation Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
Herculase II Fusion DNA Polymerase Glycerol	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-

Section 11. Toxicological information

SureSelect RNase Block Glycerol	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitisation

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

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.
	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.

Potential acute health effects

Section 11. Toxicological information

Eye contact	: End Repair-A Tailing Enzyme Mix	Causes eye irritation.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	Causes eye irritation.
	Ligation Buffer	Causes eye irritation.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	Causes eye irritation.
	5X Herculase II Reaction Buffer	Causes serious eye irritation.
	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	Causes eye irritation.
	SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A03-H04	No known significant effects or critical hazards.
Inhalation	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	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.
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.

Section 11. Toxicological information

Ingestion

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

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

: End Repair-A Tailing	Adverse symptoms may include the following:
Enzyme Mix	irritation watering redness
End Repair-A Tailing Buffer	No specific data.
T4 DNA Ligase	Adverse symptoms may include the following: irritation watering redness
Ligation Buffer	Adverse symptoms may include the following: irritation watering redness
Adaptor Oligo Mix	No specific data.
Forward Primer	No specific data.
100 mM dNTP Mix (25 mM each dNTP)	No specific data.
Herculase II Fusion DNA	Adverse symptoms may include the following:
Polymerase	irritation watering redness
5X Herculase II Reaction	Adverse symptoms may include the following:

Section 11. Toxicological information

Buffer

pain or irritation
watering
redness

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 No specific data.
Low Input Blocker Mix
SureSelect Fast No specific data.
Hybridization Buffer
SureSelect RNase Block Adverse symptoms may include the following:

irritation
watering
redness

SureSelect Post- Capture No specific data.
Primer Mix
SureSelect XT HS Index No specific data.
Primer A03-H04

Inhalation

: End Repair-A Tailing No specific data.
Enzyme Mix
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 No specific data.
Polymerase
5X Herculase II Reaction No specific data.
Buffer
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 No specific data.
Low Input Blocker Mix
SureSelect Fast No specific data.
Hybridization Buffer
SureSelect RNase Block No specific data.
SureSelect Post- Capture No specific data.
Primer Mix
SureSelect XT HS Index No specific data.
Primer A03-H04

Skin contact

: End Repair-A Tailing No specific data.
Enzyme Mix
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 No specific data.
Polymerase
5X Herculase II Reaction No specific data.
Buffer
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 No specific data.
Low Input Blocker Mix
SureSelect Fast No specific data.

Section 11. Toxicological information

	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture	No specific data.
	Primer Mix	
	SureSelect XT HS Index	No specific data.
	Primer A03-H04	
Ingestion	: End Repair-A Tailing	No specific data.
	Enzyme Mix	
	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	No specific data.
	Polymerase	
	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	No specific data.
	Low Input Blocker Mix	
	SureSelect Fast	No specific data.
	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture	No specific data.
	Primer Mix	
	SureSelect XT HS Index	No specific data.
	Primer A03-H04	

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

General	: End Repair-A Tailing	No known significant effects or critical hazards.
	Enzyme Mix	
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	Herculase II Fusion DNA	No known significant effects or critical hazards.
	Polymerase	
	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS and XT	No known significant effects or critical hazards.
	Low Input Blocker Mix	

Section 11. Toxicological information

Carcinogenicity

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

Mutagenicity

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

Section 11. Toxicological information

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

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
End Repair-A Tailing Enzyme Mix					
Glycerol	12600	N/A	N/A	N/A	N/A
T4 DNA Ligase					
Glycerol	12600	N/A	N/A	N/A	N/A
Ligation Buffer					
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A
Glycerol	12600	N/A	N/A	N/A	N/A
Herculase II Fusion DNA Polymerase					
Glycerol	12600	N/A	N/A	N/A	N/A
5X Herculase II Reaction Buffer					
5X Herculase II Reaction Buffer	50000	N/A	N/A	N/A	N/A
Hexadecan-1-ol, ethoxylated	500	N/A	N/A	N/A	N/A
SureSelect RNase Block					
Glycerol	12600	N/A	N/A	N/A	N/A

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

Toxicity

Product/ingredient name	Result	Species	Exposure
End Repair-A Tailing Enzyme Mix Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
T4 DNA Ligase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
Ligation Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
Glycerol	Acute LC50 >1000000 μ g/l Fresh water Acute LC50 54000 mg/l Fresh water	Fish - <i>Salmo salar</i> - Parr Fish - <i>Oncorhynchus mykiss</i>	96 hours 96 hours
Herculase II Fusion DNA Polymerase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
5X Herculase II Reaction Buffer Hexadecan-1-ol, ethoxylated	Acute LC50 330000 to 1000000 μ g/l Marine water	Crustaceans - <i>Crangon crangon</i> - Adult	48 hours
SureSelect RNase Block Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
End Repair-A Tailing Enzyme Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 DNA Ligase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Ligation Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Herculase II Fusion DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle	93 % - 30 days	-	-

Section 12. Ecological information

SureSelect RNase Block Glycerol	Test 301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability	
Ligation Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	-	-	Readily	
5X Herculanase II Reaction Buffer Hexadecan-1-ol, ethoxylated	-	-	Readily	

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
End Repair-A Tailing Enzyme Mix Glycerol	-1.76	-	Low
T4 DNA Ligase Glycerol	-1.76	-	Low
Ligation Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
Glycerol	-1.76	-	Low
Herculanase II Fusion DNA Polymerase Glycerol	-1.76	-	Low
5X Herculanase II Reaction Buffer Hexadecan-1-ol, ethoxylated	>6.06	-	High
SureSelect RNase Block Glycerol	-1.76	-	Low

Mobility in soil

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

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

Section 13. Disposal considerations

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

Section 13. Disposal considerations

should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

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

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

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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.

New Zealand : Not determined.

United States : Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 24/06/2024

Date of previous issue : 24/06/2021

Version : 4

Key to abbreviations : ADG = Australian Dangerous Goods
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association

Section 16. Any other relevant information

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient


MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

SUSMP = Standard Uniform Schedule of Medicine and Poisons

UN = United Nations

Procedure used to derive the classification

Classification	Justification
 End Repair-A Tailing Enzyme Mix SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
T4 DNA Ligase SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
Ligation Buffer SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
Herculase II Fusion DNA Polymerase SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
5X Herculase II Reaction Buffer SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A	Calculation method
SureSelect RNase Block SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method

 Indicates information that has changed from previously issued version.

Notice to reader

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

Note *

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