

# SAFETY DATA SHEET



SureSelect XT HS Reagent Kit, index 1-16 + SSeI Cancer All-In-One Lung Panel, 16rxn, Part Number G9704R

## Section 1. Identification

### 1.1 Product identifier

<b>Product name</b>	: SureSelect XT HS Reagent Kit, index 1-16 + SSeI Cancer All-In-One Lung Panel, 16rxn, Part Number G9704R	
<b>Part no. (chemical kit)</b>	: G9704R	
<b>Part no.</b>	: <u>SureSelect XT HS Library Preparation Kit for ILM (Pre PCR), 16 Reactions</u>	<u>5500-0138</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 for ILM (Pre PCR), 16 Reactions / SureSelect XT HS Target Enrichment Kit, ILM Hyb Module, Box 2 (Post PCR), 16 Reactions</u>	<u>5500-0138 / 5190-9684</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, ILM Hyb Module, Box 1 (Post PCR), 16 Reactions</u>	<u>5190-9685</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, ILM Hyb Module, Box 2 (Post PCR), 16 Reactions</u>	<u>5190-9684</u>
	SureSelect XT HS Blocker Mix	5190-9683
	SureSelect Fast Hybridization Buffer	5190-7327
	SureSelect RNase Block	5190-4383
	SureSelect Post- Capture Primer Mix	5190-9730
	<u>SureSelect XT HS Index Primers 1-16 for ILM (Pre PCR), 16 Reactions</u>	<u>5500-0141</u>
	SureSelect XT HS Index Primer A01-H02	Various*
	<u>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</u>	<u>5191-4096</u>
	SSeI XT HS Cancer All-In-One Lung, 16 Reactions	5191-4096
<b>Validation date</b>	: 4/30/2024	

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

<b>Identified uses</b>	: <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)	0.009 ml (16 reactions)
	Herculase II Fusion DNA Polymerase	0.016 ml (32 reactions)

## Section 1. Identification

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 Mix	0.08 ml (16 reactions)
SureSelect Fast Hybridization Buffer	0.45 ml
SureSelect RNase Block	0.016 ml
SureSelect Post- Capture Primer Mix	0.016 ml (16 reactions)
SureSelect XT HS Index Primer A01-H02	16 x 0.01 ml (16 reactions)
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	0.032 ml (16 reactions)

**Uses advised against** :  Not for use in diagnostic procedures.

### [1.3 Details of the supplier of the safety data sheet](#)

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

### [1.4 Emergency telephone number](#)

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

**Note \*** : \*SureSelect XT HS Index Primer A01-H02: 5190-6419, 5190-6420, 5190-6421, 5190-6422, 5190-6423, 5190-6424, 5190-6425, 5190-6426, 5190-6427, 5190-6428, 5190-6429, 5190-6430, 5190-6431, 5190-6432, 5190-6433, 5190-6434

## Section 2. Hazards identification

### [2.1 Classification of the substance or mixture](#)

<b>OSHA/HCS status</b>	: End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	T4 DNA Ligase	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Ligation Buffer	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Adaptor Oligo Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Forward Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	100 mM dNTP Mix (25 mM each dNTP)	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product.

## Section 2. Hazards identification

Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer	This SDS should be retained and available for employees and other users of this product. This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect Binding Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect Wash Buffer 1	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect Wash Buffer 2	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect XT HS and XT Low Input Blocker Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect Fast Hybridization Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect RNase Block	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
SureSelect Post- Capture Primer Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect XT HS Index Primer A01-H02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

## Section 2. Hazards identification

### Classification of the substance or mixture

#### End Repair-A Tailing Enzyme

##### Mix

H320 EYE IRRITATION - Category 2B

#### T4 DNA Ligase

H320 EYE IRRITATION - Category 2B

#### Ligation Buffer

H320 EYE IRRITATION - Category 2B

#### Herculase II Fusion DNA

##### Polymerase

H320 EYE IRRITATION - Category 2B

#### SureSelect RNase Block

H320 EYE IRRITATION - Category 2B

100 mM dNTP Mix (25 mM each dNTP) Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 5.3%

SureSelect Fast Hybridization Buffer Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 31.3%

### 2.2 GHS label elements

#### 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 each dNTP)	No signal word.
Herculase II Fusion DNA Polymerase	Warning
5X Herculase II Reaction Buffer	No signal word.
SureSelect Binding Buffer	No signal word.
SureSelect Wash Buffer 1	No signal word.
SureSelect Wash Buffer 2	No signal word.
SureSelect XT HS 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 A01-H02	No signal word.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	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	H320 - Causes eye irritation.

## Section 2. Hazards identification

Polymerase	
5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
SureSelect RNase Block	H320 - Causes eye irritation.
SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.

### Precautionary statements

#### Prevention

: End Repair-A Tailing Enzyme Mix	Not applicable.
End Repair-A Tailing Buffer	Not applicable.
T4 DNA Ligase	Not applicable.
Ligation Buffer	Not applicable.
Adaptor Oligo Mix	Not applicable.
Forward Primer	Not applicable.
100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
Herculase II Fusion DNA	Not applicable.
Polymerase	
5X Herculase II Reaction Buffer	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
SureSelect Fast Hybridization Buffer	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Post- Capture Primer Mix	Not applicable.
SureSelect XT HS Index Primer A01-H02	Not applicable.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	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

## Section 2. Hazards identification

	Adaptor Oligo Mix	advice or attention.
	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	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	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 A01-H02	Not applicable.
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not applicable.
<b>Storage</b>	: End Repair-A Tailing Enzyme Mix	Not applicable.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	5X Herculase II Reaction Buffer	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
	SureSelect Fast Hybridization Buffer	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A01-H02	Not applicable.
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not applicable.

**Disposal** :

## Section 2. Hazards identification

	End Repair-A Tailing Enzyme Mix	Not applicable.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	5X Herculase II Reaction Buffer	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
	SureSelect Fast Hybridization Buffer	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A01-H02	Not applicable.
	SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not applicable.
<b>Supplemental label elements</b>	: End Repair-A Tailing Enzyme Mix	None known.
	End Repair-A Tailing Buffer	None known.
	T4 DNA Ligase	None known.
	Ligation Buffer	None known.
	Adaptor Oligo Mix	None known.
	Forward Primer	None known.
	100 mM dNTP Mix (25 mM each dNTP)	None known.
	Herculase II Fusion DNA Polymerase	None known.
	5X Herculase II Reaction Buffer	None known.
	SureSelect Binding Buffer	None known.
	SureSelect Wash Buffer 1	None known.
	SureSelect Wash Buffer 2	None known.
	SureSelect XT HS and XT Low Input Blocker Mix	None known.
	SureSelect Fast Hybridization Buffer	None known.
	SureSelect RNase Block	None known.
	SureSelect Post- Capture Primer Mix	None known.
	SureSelect XT HS Index Primer A01-H02	None known.
	SSeI XT HS Cancer All-In-One Lung, 16 Reactions	None known.
<b>2.3 Other hazards</b>		
<b>Hazards not otherwise classified</b>	: End Repair-A Tailing Enzyme Mix	None known.
	End Repair-A Tailing Buffer	None known.
	T4 DNA Ligase	None known.
	Ligation Buffer	None known.
	Adaptor Oligo Mix	None known.
	Forward Primer	None known.
	100 mM dNTP Mix (25 mM each dNTP)	None known.
	Herculase II Fusion DNA	None known.

## Section 2. Hazards identification

Polymerase	
5X Herculase II Reaction Buffer	None known.
SureSelect Binding Buffer	None known.
SureSelect Wash Buffer 1	None known.
SureSelect Wash Buffer 2	None known.
SureSelect XT HS and XT Low Input Blocker Mix	None known.
SureSelect Fast Hybridization Buffer	None known.
SureSelect RNase Block	None known.
SureSelect Post- Capture Primer Mix	None known.
SureSelect XT HS Index Primer A01-H02	None known.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	:	End Repair-A Tailing Enzyme Mix	Mixture
		End Repair-A Tailing Buffer	Mixture
		T4 DNA Ligase	Mixture
		Ligation Buffer	Mixture
		Adaptor Oligo Mix	Mixture
		Forward Primer	Mixture
		100 mM dNTP Mix (25 mM each dNTP)	Mixture
		Herculase II Fusion DNA Polymerase	Mixture
		5X Herculase II Reaction Buffer	Mixture
		SureSelect Binding Buffer	Mixture
		SureSelect Wash Buffer 1	Mixture
		SureSelect Wash Buffer 2	Mixture
		SureSelect XT HS and XT Low Input Blocker Mix	Mixture
		SureSelect Fast Hybridization Buffer	Mixture
		SureSelect RNase Block	Mixture
		SureSelect Post- Capture Primer Mix	Mixture
		SureSelect XT HS Index Primer A01-H02	Mixture
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	Mixture

Ingredient name	%	CAS number
<b>End Repair-A Tailing Enzyme Mix</b>		
Glycerol	≥50 - ≤75	56-81-5
<b>End Repair-A Tailing Buffer</b>		
Potassium chloride	≤3	7447-40-7
<b>T4 DNA Ligase</b>		
Glycerol	≥50 - ≤75	56-81-5
<b>Ligation Buffer</b>		



## Section 3. Composition/information on ingredients

Glycerol	≥10 - ≤25	56-81-5
<b>Herculase II Fusion DNA Polymerase</b>		
Glycerol	≥50 - ≤75	56-81-5
<b>5X Herculase II Reaction Buffer</b>		
Trometamol	≤3	77-86-1
Hexadecan-1-ol, ethoxylated	<2.5	9004-95-9
<b>SureSelect Wash Buffer 1</b>		
Sodium dodecyl sulphate	≤0.3	151-21-3
<b>SureSelect Wash Buffer 2</b>		
Sodium dodecyl sulphate	≤0.3	151-21-3
<b>SureSelect RNase Block</b>		
Glycerol	≥50 - ≤75	56-81-5
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b>		
Glycerol	≤3	56-81-5

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

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

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

## Section 4. First aid measures

### [4.1 Description of necessary first aid measures](#)

<b>Eye contact</b>	: End Repair-A Tailing Enzyme Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. 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.

## Section 4. First aid measures

Adaptor Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Forward Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
100 mM dNTP Mix (25 mM each dNTP)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Herculase II Fusion DNA Polymerase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
5X Herculase II Reaction Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Binding Buffer	Immediately flush eyes with plenty of water, 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 A01-H02	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

## Section 4. First aid measures

<b>Inhalation</b>	: End Repair-A Tailing Enzyme Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	End Repair-A Tailing Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	T4 DNA Ligase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Ligation Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If 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

## Section 4. First aid measures

	oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
5X Herculase II Reaction Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect Binding Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT HS and XT Low Input Blocker Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Fast Hybridization Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect RNase Block	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Post- Capture Primer Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT HS Index Primer A01-H02	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

## Section 4. First aid measures

<b>Skin contact</b>	: End Repair-A Tailing Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. 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 before reuse. Clean shoes thoroughly before reuse.
	5X Herculase II Reaction Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT HS 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 A01-H02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get

## Section 4. First aid measures

### Ingestion

SSeI XT HS Cancer All-In-One Lung, 16 Reactions

: End Repair-A Tailing Enzyme Mix

End Repair-A Tailing Buffer

T4 DNA Ligase

Ligation Buffer

Adaptor Oligo Mix

Forward Primer

medical attention if symptoms occur.

Flush contaminated skin with plenty of water.

Remove contaminated clothing and shoes. 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. 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. 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

## Section 4. First aid measures

	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. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT HS and XT Low Input Blocker Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Fast Hybridization Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect RNase Block	Wash out mouth with water. Remove dentures if

## Section 4. First aid measures

SureSelect Post- Capture Primer Mix	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.
SureSelect XT HS Index Primer A01-H02	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

#### Potential acute health effects

##### Eye contact

: End Repair-A Tailing Enzyme Mix	Causes eye irritation.
End Repair-A Tailing Buffer	No known significant effects or critical hazards.
T4 DNA Ligase	Causes eye irritation.
Ligation Buffer	Causes eye irritation.
Adaptor Oligo Mix	No known significant effects or critical hazards.
Forward Primer	No known significant effects or critical hazards.
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	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	Causes eye irritation.
SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.



## Section 4. First aid measures

<b>Inhalation</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		Ligation Buffer	No known significant effects or critical hazards.
		Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.	
<b>Skin contact</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		Ligation Buffer	No known significant effects or critical hazards.
		Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.	
<b>Ingestion</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		Ligation Buffer	No known significant effects or critical hazards.
		Adaptor Oligo Mix	No known significant effects or critical hazards.
		Forward Primer	No known significant effects or critical hazards.
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.

## Section 4. First aid measures

5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	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	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	Adverse symptoms may include the following: irritation watering redness
SureSelect Post- Capture Primer Mix	No specific data.
SureSelect XT HS Index Primer A01-H02	No specific data.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.

## Section 4. First aid measures

<b>Inhalation</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.	
		End Repair-A Tailing Buffer	No specific data.	
		T4 DNA Ligase	No specific data.	
		Ligation Buffer	No specific data.	
		Adaptor Oligo Mix	No specific data.	
		Forward Primer	No specific data.	
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.	
		Herculase II Fusion DNA Polymerase	No specific data.	
		5X Herculase II Reaction Buffer	No specific data.	
		SureSelect Binding Buffer	No specific data.	
		SureSelect Wash Buffer 1	No specific data.	
		SureSelect Wash Buffer 2	No specific data.	
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.	
		SureSelect Fast Hybridization Buffer	No specific data.	
		SureSelect RNase Block	No specific data.	
		SureSelect Post- Capture Primer Mix	No specific data.	
		SureSelect XT HS Index Primer A01-H02	No specific data.	
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.	
	<b>Skin contact</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.
			End Repair-A Tailing Buffer	No specific data.
		T4 DNA Ligase	No specific data.	
		Ligation Buffer	No specific data.	
		Adaptor Oligo Mix	No specific data.	
		Forward Primer	No specific data.	
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.	
		Herculase II Fusion DNA Polymerase	No specific data.	
		5X Herculase II Reaction Buffer	No specific data.	
		SureSelect Binding Buffer	No specific data.	
		SureSelect Wash Buffer 1	No specific data.	
		SureSelect Wash Buffer 2	No specific data.	
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.	
		SureSelect Fast Hybridization Buffer	No specific data.	
		SureSelect RNase Block	No specific data.	
		SureSelect Post- Capture Primer Mix	No specific data.	
		SureSelect XT HS Index Primer A01-H02	No specific data.	
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.	
<b>Ingestion</b>		:	End Repair-A Tailing Enzyme Mix	No specific data.
			End Repair-A Tailing Buffer	No specific data.
		T4 DNA Ligase	No specific data.	
		Ligation Buffer	No specific data.	
		Adaptor Oligo Mix	No specific data.	
		Forward Primer	No specific data.	
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.	
		Herculase II Fusion DNA Polymerase	No specific data.	

## Section 4. First aid measures

5X Herculase II Reaction Buffer	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
SureSelect Fast Hybridization Buffer	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Post- Capture Primer Mix	No specific data.
SureSelect XT HS Index Primer A01-H02	No specific data.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.

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

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

## Section 4. First aid measures

SureSelect Fast Hybridization Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Post- Capture Primer Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT HS Index Primer A01-H02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	
: End Repair-A Tailing Enzyme Mix	No specific treatment.
End Repair-A Tailing Buffer	No specific treatment.
T4 DNA Ligase	No specific treatment.
Ligation Buffer	No specific treatment.
Adaptor Oligo Mix	No specific treatment.
Forward Primer	No specific treatment.
100 mM dNTP Mix (25 mM each dNTP)	No specific treatment.
Herculase II Fusion DNA Polymerase	No specific treatment.
5X Herculase II Reaction Buffer	No specific treatment.
SureSelect Binding Buffer	No specific treatment.
SureSelect Wash Buffer 1	No specific treatment.
SureSelect Wash Buffer 2	No specific treatment.
SureSelect XT HS and XT Low Input Blocker Mix	No specific treatment.
SureSelect Fast Hybridization Buffer	No specific treatment.
SureSelect RNase Block	No specific treatment.
SureSelect Post- Capture Primer Mix	No specific treatment.
SureSelect XT HS Index Primer A01-H02	No specific treatment.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	No specific treatment.
<b>Protection of first-aiders</b>	
: 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	No action shall be taken involving any personal risk

## Section 4. First aid measures

dNTP) Herculase II Fusion DNA Polymerase	or without suitable training. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
5X Herculase II Reaction Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Binding Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS 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 A01-H02	No action shall be taken involving any personal risk or without suitable training.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

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

## Section 5. Fire-fighting measures

	Buffer	surrounding fire.
	SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Post- Capture Primer Mix	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect XT HS Index Primer A01-H02	Use an extinguishing agent suitable for the surrounding fire.
	SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: End Repair-A Tailing Enzyme Mix	None known.
	End Repair-A Tailing Buffer	None known.
	T4 DNA Ligase	None known.
	Ligation Buffer	None known.
	Adaptor Oligo Mix	None known.
	Forward Primer	None known.
	100 mM dNTP Mix (25 mM each dNTP)	None known.
	Herculase II Fusion DNA Polymerase	None known.
	5X Herculase II Reaction Buffer	None known.
	SureSelect Binding Buffer	None known.
	SureSelect Wash Buffer 1	None known.
	SureSelect Wash Buffer 2	None known.
	SureSelect XT HS and XT Low Input Blocker Mix	None known.
	SureSelect Fast Hybridization Buffer	None known.
	SureSelect RNase Block	None known.
	SureSelect Post- Capture Primer Mix	None known.
	SureSelect XT HS Index Primer A01-H02	None known.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	None known.	

### 5.2 Special hazards arising from the substance or mixture

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

## Section 5. Fire-fighting measures

	SureSelect XT HS and XT Low Input Blocker Mix	and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Fast Hybridization Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Post- Capture Primer Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect XT HS Index Primer A01-H02	In a fire or if heated, a pressure increase will occur and the container may burst.
	SSeI XT HS Cancer All-In-One Lung, 16 Reactions	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: End Repair-A Tailing Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	End Repair-A Tailing Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
	T4 DNA Ligase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Ligation Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM each dNTP)	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
	Herculase II Fusion DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	5X Herculase II Reaction Buffer	Decomposition products may include the following materials: carbon dioxide 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	Decomposition products may include the following



## Section 5. Fire-fighting measures

Buffer	materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect Post- Capture Primer Mix	No specific data.
SureSelect XT HS Index Primer A01-H02	No specific data.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Decomposition products may include the following materials: carbon dioxide carbon monoxide

### 5.3 Advice for firefighters

#### **Special protective actions for fire-fighters**

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

## Section 5. Fire-fighting measures

SureSelect Wash Buffer 1	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.
SureSelect Wash Buffer 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS and XT Low Input Blocker Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Fast Hybridization Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect RNase Block	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Post- Capture Primer Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT HS Index Primer A01-H02	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	
: End Repair-A Tailing Enzyme Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
End Repair-A Tailing Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
T4 DNA Ligase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Ligation Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive 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

## Section 5. Fire-fighting measures

Herculase II Fusion DNA Polymerase	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.
5X Herculase II Reaction Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Binding Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect XT HS and XT Low Input Blocker Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Fast Hybridization Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Post- Capture Primer Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect XT HS Index Primer A01-H02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

: End Repair-A Tailing Enzyme Mix

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

End Repair-A Tailing Buffer

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

## Section 6. Accidental release measures

T4 DNA Ligase	surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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 spilled material. Avoid breathing vapor 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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
Herculase II Fusion DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor 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 spilled material. Put on appropriate personal protective equipment.
SureSelect Binding Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on

## Section 6. Accidental release measures

SureSelect Wash Buffer 1	appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect XT HS 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 spilled material. Put on appropriate personal protective equipment.
SureSelect Fast Hybridization Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect Post- Capture Primer Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect XT HS Index Primer A01-H02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b> : End Repair-A Tailing Enzyme Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
End Repair-A Tailing Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

## Section 6. Accidental release measures

T4 DNA Ligase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Ligation Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Adaptor Oligo Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Forward Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
100 mM dNTP Mix (25 mM each dNTP)	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Herculase II Fusion DNA Polymerase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
5X Herculase II Reaction Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Binding Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect XT HS and XT Low Input Blocker Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Fast Hybridization Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect RNase Block	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Post- Capture Primer Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect XT HS Index Primer A01-H02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

## Section 6. Accidental release measures

SSeI XT HS Cancer All-In-One Lung, 16 Reactions

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: End Repair-A Tailing Enzyme Mix

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

End Repair-A Tailing Buffer

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

T4 DNA Ligase

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Ligation Buffer

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Adaptor Oligo Mix

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Forward Primer

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

100 mM dNTP Mix (25 mM each dNTP)

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Herculase II Fusion DNA Polymerase

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

5X Herculase II Reaction Buffer

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SureSelect Binding Buffer

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SureSelect Wash Buffer 1

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

## Section 6. Accidental release measures

SureSelect Wash Buffer 2	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT HS and XT Low Input Blocker Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Fast Hybridization Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect RNase Block	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Post- Capture Primer Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT HS Index Primer A01-H02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

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



## Section 6. Accidental release measures

Adaptor Oligo Mix	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.
Forward Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
100 mM dNTP Mix (25 mM each dNTP)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Herculase II Fusion DNA Polymerase	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
5X Herculase II Reaction Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Binding Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Wash Buffer 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Wash Buffer 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT HS and XT Low Input Blocker Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Fast Hybridization Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

SureSelect RNase Block	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.
SureSelect Post- Capture Primer Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT HS Index Primer A01-H02	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures

: End Repair-A Tailing Enzyme Mix	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
End Repair-A Tailing Buffer	Put on appropriate personal protective equipment (see Section 8).
T4 DNA Ligase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Ligation Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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).

## Section 7. Handling and storage

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 vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
5X Herculase II Reaction Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect Binding Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).
SureSelect Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).
SureSelect XT HS and XT Low Input Blocker Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect Fast Hybridization Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
SureSelect Post- Capture Primer Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect XT HS Index Primer A01-H02	Put on appropriate personal protective equipment (see Section 8).
SSel XT HS Cancer All-In-One Lung, 16 Reactions	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b> : 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

## Section 7. Handling and storage

Adaptor Oligo Mix	before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Forward Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
100 mM dNTP Mix (25 mM each dNTP)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Herculase II Fusion DNA Polymerase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
5X Herculase II Reaction Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Binding Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

SureSelect XT HS and XT Low Input Blocker Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Fast Hybridization Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect RNase Block	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Post- Capture Primer Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect XT HS Index Primer A01-H02	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

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

## Section 7. Handling and storage

T4 DNA Ligase

opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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

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

Forward Primer

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

## Section 7. Handling and storage

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

## Section 7. Handling and storage

SureSelect Fast Hybridization Buffer

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

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

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

SureSelect Post- Capture Primer Mix

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

SureSelect XT HS Index Primer A01-H02

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

SSeI XT HS Cancer All-In-One Lung, 16 Reactions

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



## Section 7. Handling and storage

incompatible materials before handling or use.

### 7.3 Specific end use(s)

#### Recommendations

: End Repair-A Tailing Enzyme Mix	Industrial applications, Professional applications.
End Repair-A Tailing Buffer	Industrial applications, Professional applications.
T4 DNA Ligase	Industrial applications, Professional applications.
Ligation Buffer	Industrial applications, Professional applications.
Adaptor Oligo Mix	Industrial applications, Professional applications.
Forward Primer	Industrial applications, Professional applications.
100 mM dNTP Mix (25 mM each dNTP)	Industrial applications, Professional applications.
Herculase II Fusion DNA Polymerase	Industrial applications, Professional applications.
5X Herculase II Reaction Buffer	Industrial applications, Professional applications.
SureSelect Binding Buffer	Industrial applications, Professional applications.
SureSelect Wash Buffer 1	Industrial applications, Professional applications.
SureSelect Wash Buffer 2	Industrial applications, Professional applications.
SureSelect XT HS and XT Low Input Blocker Mix	Industrial applications, Professional applications.
SureSelect Fast Hybridization Buffer	Industrial applications, Professional applications.
SureSelect RNase Block	Industrial applications, Professional applications.
SureSelect Post- Capture Primer Mix	Industrial applications, Professional applications.
SureSelect XT HS Index Primer A01-H02	Industrial applications, Professional applications.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Industrial applications, Professional applications.

#### Industrial sector specific solutions

: End Repair-A Tailing Enzyme Mix	Not available.
End Repair-A Tailing Buffer	Not available.
T4 DNA Ligase	Not available.
Ligation Buffer	Not available.
Adaptor Oligo Mix	Not available.
Forward Primer	Not available.
100 mM dNTP Mix (25 mM each dNTP)	Not available.
Herculase II Fusion DNA Polymerase	Not available.
5X Herculase II Reaction Buffer	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect XT HS and XT Low Input Blocker Mix	Not available.
SureSelect Fast Hybridization Buffer	Not available.
SureSelect RNase Block	Not available.
SureSelect Post- Capture Primer Mix	Not available.
SureSelect XT HS Index Primer A01-H02	Not available.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
<p><b>End Repair-A Tailing Enzyme Mix</b> Glycerol</p>	<p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>CAL OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: total dust</p>
<p><b>End Repair-A Tailing Buffer</b> Potassium chloride</p>	<p>None.</p>
<p><b>T4 DNA Ligase</b> Glycerol</p>	<p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>CAL OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: total dust</p>
<p><b>Ligation Buffer</b> Glycerol</p>	<p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>CAL OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: total dust</p>
<p><b>Herculase II Fusion DNA Polymerase</b> Glycerol</p>	<p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust</p>

## Section 8. Exposure controls/personal protection

<p><b>5X Herculase II Reaction Buffer</b> Trometamol Hexadecan-1-ol, ethoxylated</p> <p><b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate</p> <p><b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate</p> <p><b>SureSelect RNase Block</b> Glycerol</p>	<p><b>CAL OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: total dust</p> <p>None. None.</p> <p>None.</p> <p>None.</p>
<p><b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> Glycerol</p>	<p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>CAL OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: total dust</p> <p><b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m<sup>3</sup> 8 hours. Form: Total dust <b>CAL OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m<sup>3</sup> 8 hours. Form: respirable fraction TWA: 10 mg/m<sup>3</sup> 8 hours. Form: total dust</p>

**Biological exposure indices**

No exposure indices known.

**8.2 Exposure controls**

**Appropriate engineering controls**

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

**Environmental exposure controls**

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

**Individual protection measures**

## Section 8. Exposure controls/personal protection

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- 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

<b>Physical state</b>	:	End Repair-A Tailing Enzyme Mix	Liquid.
		End Repair-A Tailing Buffer	Liquid.
		T4 DNA Ligase	Liquid.
		Ligation Buffer	Liquid.
		Adaptor Oligo Mix	Liquid.
		Forward Primer	Liquid.
		100 mM dNTP Mix (25 mM each dNTP)	Liquid.
		Herculase II Fusion DNA Polymerase	Liquid.
		5X Herculase II Reaction Buffer	Liquid.
		SureSelect Binding Buffer	Liquid.
		SureSelect Wash Buffer 1	Liquid.
		SureSelect Wash Buffer 2	Liquid.
		SureSelect XT HS and XT Low Input Blocker Mix	Liquid.
		SureSelect Fast Hybridization Buffer	Liquid.
		SureSelect RNase Block	Liquid.
		SureSelect Post- Capture Primer Mix	Liquid.
		SureSelect XT HS Index Primer A01-H02	Liquid.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Liquid.

## Section 9. Physical and chemical properties and safety characteristics

<b>Color</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		100 mM dNTP Mix (25 mM each dNTP)	Not available.
		Herculase II Fusion DNA Polymerase	Not available.
		5X Herculase II Reaction Buffer	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect XT HS and XT Low Input Blocker Mix	Not available.
		SureSelect Fast Hybridization Buffer	Not available.
		SureSelect RNase Block	Not available.
		SureSelect Post- Capture Primer Mix	Not available.
		SureSelect XT HS Index Primer A01-H02	Not available.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

<b>Odor</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		100 mM dNTP Mix (25 mM each dNTP)	Not available.
		Herculase II Fusion DNA Polymerase	Not available.
		5X Herculase II Reaction Buffer	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect XT HS and XT Low Input Blocker Mix	Not available.
		SureSelect Fast Hybridization Buffer	Not available.
		SureSelect RNase Block	Not available.
		SureSelect Post- Capture Primer Mix	Not available.
		SureSelect XT HS Index Primer A01-H02	Not available.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

<b>Odor threshold</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA	Not available.	

## Section 9. Physical and chemical properties and safety characteristics

	Polymerase	
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT Low	Not available.
	Input Blocker Mix	
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture Primer Mix	Not available.
	SureSelect XT HS Index Primer A01-H02	Not available.
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not available.
<b>pH</b>	<b>:</b> End Repair-A Tailing Enzyme Mix	6.5
	End Repair-A Tailing Buffer	8
	T4 DNA Ligase	7.5
	Ligation Buffer	8
	Adaptor Oligo Mix	7.5
	Forward Primer	7.5
	100 mM dNTP Mix (25 mM each dNTP)	7.5
	Herculase II Fusion DNA Polymerase	8.2
	5X Herculase II Reaction Buffer	9.5 to 10.5
	SureSelect Binding Buffer	7.5
	SureSelect Wash Buffer 1	7
	SureSelect Wash Buffer 2	7
	SureSelect XT HS and XT Low	7.5
	Input Blocker Mix	
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	7.6
	SureSelect Post- Capture Primer Mix	7.5
	SureSelect XT HS Index Primer A01-H02	7.5
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not available.
<b>Melting point/freezing point</b>	<b>:</b> End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	0°C (32°F)
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	0°C (32°F)
	Forward Primer	0°C (32°F)
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	0°C (32°F)
	SureSelect Wash Buffer 2	0°C (32°F)
	SureSelect XT HS and XT Low	0°C (32°F)
	Input Blocker Mix	
	SureSelect Fast Hybridization Buffer	Not available.

## Section 9. Physical and chemical properties and safety characteristics

	SureSelect RNase Block	Not available.
	SureSelect Post- Capture Primer Mix	0°C (32°F)
	SureSelect XT HS Index Primer A01-H02	0°C (32°F)
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	0°C (32°F)
<b>Boiling point, initial boiling point, and boiling range</b>	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	100°C (212°F)
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	100°C (212°F)
	Forward Primer	100°C (212°F)
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	100°C (212°F)
	SureSelect Wash Buffer 2	100°C (212°F)
	SureSelect XT HS and XT Low Input Blocker Mix	100°C (212°F)
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture Primer Mix	100°C (212°F)
	SureSelect XT HS Index Primer A01-H02	100°C (212°F)
	SSel XT HS Cancer All-In-One Lung, 16 Reactions	100°C (212°F)

**Flash point**

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
<b>End Repair-A Tailing Enzyme Mix</b>						
Glycerol	-	-	-	177	350.6	-
<b>T4 DNA Ligase</b>						
Glycerol	-	-	-	177	350.6	-
<b>Ligation Buffer</b>						
Glycerol	-	-	-	177	350.6	-
<b>Herculase II Fusion DNA Polymerase</b>						
Glycerol	-	-	-	177	350.6	-
<b>SureSelect RNase Block</b>						

## Section 9. Physical and chemical properties and safety characteristics

Glycerol	-	-	-	177	350.6	-
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b>						
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 A01-H02	Not available.
	SSeI XT HS Cancer All-In-One Lung, 16 Reactions	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 A01-H02	Not applicable.
	SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not applicable.



## Section 9. Physical and chemical properties and safety characteristics

**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 Polymerase Not available.
- 5X Herculase II Reaction Buffer Not available.
- SureSelect Binding Buffer Not available.
- SureSelect Wash Buffer 1 Not available.
- SureSelect Wash Buffer 2 Not available.
- SureSelect XT HS and XT Low Input Blocker Mix Not available.
- SureSelect Fast Hybridization Buffer Not available.
- SureSelect RNase Block Not available.
- SureSelect Post- Capture Primer Mix Not available.
- SureSelect XT HS Index Primer A01-H02 Not available.
- SSeI XT HS Cancer All-In-One Lung, 16 Reactions Not available.

**Vapor pressure** :

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>End Repair-A Tailing Enzyme Mix</b>						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>End Repair-A Tailing Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>T4 DNA Ligase</b>						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>Ligation Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>Adaptor Oligo Mix</b>						
water	17.5	2.3	-	92.258	12.3	-

## Section 9. Physical and chemical properties and safety characteristics

<b>Forward Primer</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>100 mM dNTP Mix (25 mM each dNTP)</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>Herculase II Fusion DNA Polymerase</b>							
water	17.5	2.3	-	92.258	12.3	-	
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
<b>5X Herculase II Reaction Buffer</b>							
water	17.5	2.3	-	92.258	12.3	-	
Trometamol	<0.00075006	<0.0001	-	-	-	-	
<b>SureSelect Binding Buffer</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect Wash Buffer 1</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect Wash Buffer 2</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect XT HS and XT Low Input Blocker Mix</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect Fast Hybridization Buffer</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect RNase</b>							

## Section 9. Physical and chemical properties and safety characteristics

<b>Block</b>							
water	17.5	2.3	-	92.258	12.3	-	
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
<b>SureSelect Post-Capture Primer Mix</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect XT HS Index Primer A01-H02</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b>							
water	17.5	2.3	-	92.258	12.3	-	
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	

### Relative vapor density

End Repair-A Tailing Enzyme Mix	Not available.
End Repair-A Tailing Buffer	Not available.
T4 DNA Ligase	Not available.
Ligation Buffer	Not available.
Adaptor Oligo Mix	Not available.
Forward Primer	Not available.
100 mM dNTP Mix (25 mM each dNTP)	Not available.
Herculase II Fusion DNA Polymerase	Not available.
5X Herculase II Reaction Buffer	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect XT HS and XT Low Input Blocker Mix	Not available.
SureSelect Fast Hybridization Buffer	Not available.
SureSelect RNase Block	Not available.
SureSelect Post- Capture Primer Mix	Not available.
SureSelect XT HS Index Primer A01-H02	Not available.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

### Relative density

End Repair-A Tailing Enzyme Mix	Not available.
End Repair-A Tailing Buffer	Not available.
T4 DNA Ligase	Not available.
Ligation Buffer	Not available.
Adaptor Oligo Mix	Not available.
Forward Primer	Not available.
100 mM dNTP Mix (25 mM each dNTP)	Not available.

## Section 9. Physical and chemical properties and safety characteristics

Herculase II Fusion DNA Polymerase	Not available.
5X Herculase II Reaction Buffer	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect XT HS and XT Low Input Blocker Mix	Not available.
SureSelect Fast Hybridization Buffer	Not available.
SureSelect RNase Block	Not available.
SureSelect Post- Capture Primer Mix	Not available.
SureSelect XT HS Index Primer A01-H02	Not available.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

**Solubility(ies)**

<b>Media</b>	<b>Result</b>
<b>End Repair-A Tailing Enzyme Mix</b> water	Soluble
<b>End Repair-A Tailing Buffer</b> water	Soluble
<b>T4 DNA Ligase</b> water	Soluble
<b>Ligation Buffer</b> water	Soluble
<b>Adaptor Oligo Mix</b> water	Soluble
<b>Forward Primer</b> water	Soluble
<b>100 mM dNTP Mix (25 mM each dNTP)</b> water	Soluble
<b>Herculase II Fusion DNA Polymerase</b> water	Soluble
<b>5X Herculase II Reaction Buffer</b> water	Soluble
<b>SureSelect Binding Buffer</b> water	Soluble
<b>SureSelect Wash Buffer 1</b> water	Soluble
<b>SureSelect Wash Buffer 2</b> water	Soluble
<b>SureSelect XT HS and XT Low Input Blocker Mix</b> water	Soluble
<b>SureSelect Fast Hybridization Buffer</b> water	Soluble
<b>SureSelect RNase Block</b> water	Soluble
<b>SureSelect Post- Capture Primer Mix</b> water	Soluble
<b>SureSelect XT HS Index Primer A01-H02</b> water	Soluble
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> water	Soluble

## Section 9. Physical and chemical properties and safety characteristics

<b>Partition coefficient: n-octanol/water</b>	:	End Repair-A Tailing Enzyme Mix	Not applicable.
		End Repair-A Tailing Buffer	Not applicable.
		T4 DNA Ligase	Not applicable.
		Ligation Buffer	Not applicable.
		Adaptor Oligo Mix	Not applicable.
		Forward Primer	Not applicable.
		100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
		Herculase II Fusion DNA Polymerase	Not applicable.
		5X Herculase II Reaction Buffer	Not applicable.
		SureSelect Binding Buffer	Not applicable.
		SureSelect Wash Buffer 1	Not applicable.
		SureSelect Wash Buffer 2	Not applicable.
		SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
		SureSelect Fast Hybridization Buffer	Not applicable.
		SureSelect RNase Block	Not applicable.
		SureSelect Post- Capture Primer Mix	Not applicable.
		SureSelect XT HS Index Primer A01-H02	Not applicable.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not applicable.

**Auto-ignition temperature**

Ingredient name	°C	°F	Method
<b>End Repair-A Tailing Enzyme Mix</b>			
Glycerol	370	698	-
<b>T4 DNA Ligase</b>			
Glycerol	370	698	-
<b>Ligation Buffer</b>			
Glycerol	370	698	-
<b>Herculase II Fusion DNA Polymerase</b>			
Glycerol	370	698	-
<b>SureSelect RNase Block</b>			
Glycerol	370	698	-
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b>			
Glycerol	370	698	-

## Section 9. Physical and chemical properties and safety characteristics

<b>Decomposition temperature</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		100 mM dNTP Mix (25 mM each dNTP)	Not available.
		Herculase II Fusion DNA Polymerase	Not available.
		5X Herculase II Reaction Buffer	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect XT HS and XT Low Input Blocker Mix	Not available.
		SureSelect Fast Hybridization Buffer	Not available.
		SureSelect RNase Block	Not available.
		SureSelect Post- Capture Primer Mix	Not available.
		SureSelect XT HS Index Primer A01-H02	Not available.
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

<b>Viscosity</b>	:	End Repair-A Tailing Enzyme Mix	Not available.
		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		100 mM dNTP Mix (25 mM each dNTP)	Not available.
		Herculase II Fusion DNA Polymerase	Not available.
		5X Herculase II Reaction Buffer	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect XT HS and XT Low Input Blocker Mix	Not available.
		SureSelect Fast Hybridization Buffer	Not available.
		SureSelect RNase Block	Not available.
		SureSelect Post- Capture Primer Mix	Not available.
		SureSelect XT HS Index Primer A01-H02	Not available.
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

### Particle characteristics

<b>Median particle size</b>	:	End Repair-A Tailing Enzyme Mix	Not applicable.
		End Repair-A Tailing Buffer	Not applicable.
		T4 DNA Ligase	Not applicable.
		Ligation Buffer	Not applicable.
		Adaptor Oligo Mix	Not applicable.
		Forward Primer	Not applicable.
		100 mM dNTP Mix (25 mM each dNTP)	Not applicable.

## Section 9. Physical and chemical properties and safety characteristics

Herculase II Fusion DNA Polymerase	Not applicable.
5X Herculase II Reaction Buffer	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect XT HS and XT Low Input Blocker Mix	Not applicable.
SureSelect Fast Hybridization Buffer	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Post- Capture Primer Mix	Not applicable.
SureSelect XT HS Index Primer A01-H02	Not applicable.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not applicable.

## Section 10. Stability and reactivity

### 10.1 Reactivity

: End Repair-A Tailing Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.
End Repair-A Tailing Buffer	No specific test data related to reactivity available for this product or its ingredients.
T4 DNA Ligase	No specific test data related to reactivity available for this product or its ingredients.
Ligation Buffer	No specific test data related to reactivity available for this product or its ingredients.
Adaptor Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.
Forward Primer	No specific test data related to reactivity available for this product or its ingredients.
100 mM dNTP Mix (25 mM each dNTP)	No specific test data related to reactivity available for this product or its ingredients.
Herculase II Fusion DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
5X Herculase II Reaction Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Binding Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Wash Buffer 1	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Wash Buffer 2	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT HS and XT Low Input Blocker Mix	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Fast Hybridization Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect RNase Block	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Post- Capture Primer Mix	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT HS Index Primer A01-H02	No specific test data related to reactivity available for this product or its ingredients.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No specific test data related to reactivity available for this product or its ingredients.





## Section 10. Stability and reactivity

SSeI XT HS Cancer All-In-One Lung, 16 Reactions Under normal conditions of storage and use, hazardous reactions will not occur.

<b>10.4 Conditions to avoid</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.
		End Repair-A Tailing Buffer	No specific data.
		T4 DNA Ligase	No specific data.
		Ligation Buffer	No specific data.
		Adaptor Oligo Mix	No specific data.
		Forward Primer	No specific data.
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.
		Herculase II Fusion DNA Polymerase	No specific data.
		5X Herculase II Reaction Buffer	No specific data.
		SureSelect Binding Buffer	No specific data.
		SureSelect Wash Buffer 1	No specific data.
		SureSelect Wash Buffer 2	No specific data.
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
		SureSelect Fast Hybridization Buffer	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect Post- Capture Primer Mix	No specific data.
		SureSelect XT HS Index Primer A01-H02	No specific data.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.

<b>10.5 Incompatible materials</b>	:	End Repair-A Tailing Enzyme Mix	May react or be incompatible with oxidizing materials.
		End Repair-A Tailing Buffer	May react or be incompatible with oxidizing materials.
		T4 DNA Ligase	May react or be incompatible with oxidizing materials.
		Ligation Buffer	May react or be incompatible with oxidizing materials.
		Adaptor Oligo Mix	May react or be incompatible with oxidizing materials.
		Forward Primer	May react or be incompatible with oxidizing materials.
		100 mM dNTP Mix (25 mM each dNTP)	May react or be incompatible with oxidizing materials.
		Herculase II Fusion DNA Polymerase	May react or be incompatible with oxidizing materials.
		5X Herculase II Reaction Buffer	May react or be incompatible with oxidizing materials.
		SureSelect Binding Buffer	May react or be incompatible with oxidizing materials.
		SureSelect Wash Buffer 1	May react or be incompatible with oxidizing materials.
		SureSelect Wash Buffer 2	May react or be incompatible with oxidizing materials.
		SureSelect XT HS and XT Low Input Blocker Mix	May react or be incompatible with oxidizing materials.
		SureSelect Fast Hybridization Buffer	May react or be incompatible with oxidizing materials.
		SureSelect RNase Block	May react or be incompatible with oxidizing materials.
		SureSelect Post- Capture Primer	May react or be incompatible with oxidizing materials.

## Section 10. Stability and reactivity

Mix	materials.
SureSelect XT HS Index Primer A01-H02	May react or be incompatible with oxidizing materials.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	May react or be incompatible with oxidizing materials.
<b>10.6 Hazardous decomposition products</b>	
: End Repair-A Tailing Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
End Repair-A Tailing Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Ligase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Ligation Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Forward Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
100 mM dNTP Mix (25 mM each dNTP)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Herculase II Fusion DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
5X Herculase II Reaction Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT HS and XT Low Input Blocker Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Fast Hybridization Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Post- Capture Primer Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT HS Index Primer A01-H02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>End Repair-A Tailing Buffer</b> Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-
<b>T4 DNA Ligase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>Ligation Buffer</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>5X Herculase II Reaction Buffer</b> Trometamol Hexadecan-1-ol, ethoxylated	LD50 Dermal LD50 Oral	Rat Rat	>5000 mg/kg 2500 mg/kg	- -
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-
<b>SureSelect RNase Block</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-

#### Irritation/Corrosion

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

## Section 11. Toxicological information

<b>Ligation Buffer</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>5X Herculase II Reaction Buffer</b> Trometamol	Skin - Moderate irritant	Rabbit	-	25 %	-
	Skin - Severe irritant	Rabbit	-	500 mg	-
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	-	250 ug	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	-	250 ug	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-
<b>SureSelect RNase Block</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

### [Sensitization](#)

## Section 11. Toxicological information

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)

Name	Category	Route of exposure	Target organs
<b>5X Herculase II Reaction Buffer</b> Trometamol	Category 3	-	Respiratory tract irritation
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	Category 3	-	Respiratory tract irritation
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

<b>Information on the likely routes of exposure</b>	<ul style="list-style-type: none"> <li>• <b>End Repair-A Tailing Enzyme Mix</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> <li>• <b>End Repair-A Tailing Buffer</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> <li>• <b>T4 DNA Ligase</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> <li>• <b>Ligation Buffer</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> <li>• <b>Adaptor Oligo Mix</b> Not available.</li> <li>• <b>Forward Primer</b> Not available.</li> <li>• <b>100 mM dNTP Mix (25 mM each dNTP)</b> Not available.</li> <li>• <b>Herculase II Fusion DNA Polymerase</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> <li>• <b>5X Herculase II Reaction Buffer</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> <li>• <b>SureSelect Binding Buffer</b> Not available.</li> <li>• <b>SureSelect Wash Buffer 1</b> Not available.</li> <li>• <b>SureSelect Wash Buffer 2</b> Not available.</li> <li>• <b>SureSelect XT HS and XT Low Input Blocker Mix</b> Not available.</li> <li>• <b>SureSelect Fast Hybridization Buffer</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> <li>• <b>SureSelect RNase Block</b> Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.</li> </ul>
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## Section 11. Toxicological information

SureSelect Post- Capture Primer Mix	Not available.
SureSelect XT HS Index Primer A01-H02	Not available.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	Not available.

### Potential acute health effects

#### Eye contact

: End Repair-A Tailing Enzyme Mix	Causes eye irritation.
End Repair-A Tailing Buffer	No known significant effects or critical hazards.
T4 DNA Ligase	Causes eye irritation.
Ligation Buffer	Causes eye irritation.
Adaptor Oligo Mix	No known significant effects or critical hazards.
Forward Primer	No known significant effects or critical hazards.
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	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	Causes eye irritation.
SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.

#### Inhalation

: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
End Repair-A Tailing Buffer	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
Ligation Buffer	No known significant effects or critical hazards.
Adaptor Oligo Mix	No known significant effects or critical hazards.
Forward Primer	No known significant effects or critical hazards.
100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Skin contact</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.	
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.	
		T4 DNA Ligase	No known significant effects or critical hazards.	
		Ligation Buffer	No known significant effects or critical hazards.	
		Adaptor Oligo Mix	No known significant effects or critical hazards.	
		Forward Primer	No known significant effects or critical hazards.	
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.	
		SureSelect Binding Buffer	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.	
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.	
		SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.	
	<b>Ingestion</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
			End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.	
		Ligation Buffer	No known significant effects or critical hazards.	
		Adaptor Oligo Mix	No known significant effects or critical hazards.	
		Forward Primer	No known significant effects or critical hazards.	
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.	
		SureSelect Binding Buffer	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.	
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.	
		SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.	

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

<b>Eye contact</b>	:	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

## Section 11. Toxicological information

### Inhalation

Ligation Buffer	watering redness 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	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	Adverse symptoms may include the following: irritation watering redness
SureSelect Post- Capture Primer Mix	No specific data.
SureSelect XT HS Index Primer A01-H02	No specific data.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.
: End Repair-A Tailing Enzyme Mix	No specific data.
End Repair-A Tailing Buffer	No specific data.
T4 DNA Ligase	No specific data.
Ligation Buffer	No specific data.
Adaptor Oligo Mix	No specific data.
Forward Primer	No specific data.
100 mM dNTP Mix (25 mM each dNTP)	No specific data.
Herculase II Fusion DNA Polymerase	No specific data.
5X Herculase II Reaction Buffer	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
SureSelect Fast Hybridization Buffer	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Post- Capture Primer Mix	No specific data.
SureSelect XT HS Index Primer A01-H02	No specific data.
SSel XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.



## Section 11. Toxicological information

<b>Skin contact</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.
		End Repair-A Tailing Buffer	No specific data.
		T4 DNA Ligase	No specific data.
		Ligation Buffer	No specific data.
		Adaptor Oligo Mix	No specific data.
		Forward Primer	No specific data.
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.
		Herculase II Fusion DNA Polymerase	No specific data.
		5X Herculase II Reaction Buffer	No specific data.
		SureSelect Binding Buffer	No specific data.
		SureSelect Wash Buffer 1	No specific data.
		SureSelect Wash Buffer 2	No specific data.
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
		SureSelect Fast Hybridization Buffer	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect Post- Capture Primer Mix	No specific data.
		SureSelect XT HS Index Primer A01-H02	No specific data.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.
<b>Ingestion</b>	:	End Repair-A Tailing Enzyme Mix	No specific data.
		End Repair-A Tailing Buffer	No specific data.
		T4 DNA Ligase	No specific data.
		Ligation Buffer	No specific data.
		Adaptor Oligo Mix	No specific data.
		Forward Primer	No specific data.
		100 mM dNTP Mix (25 mM each dNTP)	No specific data.
		Herculase II Fusion DNA Polymerase	No specific data.
		5X Herculase II Reaction Buffer	No specific data.
		SureSelect Binding Buffer	No specific data.
		SureSelect Wash Buffer 1	No specific data.
		SureSelect Wash Buffer 2	No specific data.
		SureSelect XT HS and XT Low Input Blocker Mix	No specific data.
		SureSelect Fast Hybridization Buffer	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect Post- Capture Primer Mix	No specific data.
		SureSelect XT HS Index Primer A01-H02	No specific data.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure



## Section 11. Toxicological information

<b>Mutagenicity</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.	
		End Repair-A Tailing Buffer	No known significant effects or critical hazards.	
		T4 DNA Ligase	No known significant effects or critical hazards.	
		Ligation Buffer	No known significant effects or critical hazards.	
		Adaptor Oligo Mix	No known significant effects or critical hazards.	
		Forward Primer	No known significant effects or critical hazards.	
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.	
		SureSelect Binding Buffer	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.	
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.	
		SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.	
	<b>Reproductive toxicity</b>	:	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
			End Repair-A Tailing Buffer	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.	
		Ligation Buffer	No known significant effects or critical hazards.	
		Adaptor Oligo Mix	No known significant effects or critical hazards.	
		Forward Primer	No known significant effects or critical hazards.	
		100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
		5X Herculase II Reaction Buffer	No known significant effects or critical hazards.	
		SureSelect Binding Buffer	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.	
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.	
		SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
		SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.	
		SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
		SSel XT HS Cancer All-In-One Lung, 16 Reactions	No known significant effects or critical hazards.	

### Numerical measures of toxicity

#### Acute toxicity estimates

## Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>End Repair-A Tailing Buffer</b> End Repair-A Tailing Buffer Potassium chloride	159509.2 2600	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>T4 DNA Ligase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>Ligation Buffer</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>5X Herculase II Reaction Buffer</b> 5X Herculase II Reaction Buffer Hexadecan-1-ol, ethoxylated	107739.0 2500	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>SureSelect Binding Buffer</b> SureSelect Binding Buffer	51369.9	N/A	N/A	N/A	N/A
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	1288	N/A	N/A	N/A	1.5
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	1288	N/A	N/A	N/A	1.5
<b>SureSelect RNase Block</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> Glycerol	12600	N/A	N/A	N/A	N/A

**Other information** : **End Repair-A Tailing Buffer**  
SureSelect RNase Block

Adverse symptoms may include the following: May cause skin sensitization.  
Adverse symptoms may include the following: May cause skin sensitization.

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
<b>End Repair-A Tailing Buffer</b> Potassium chloride	Acute EC50 9.24 g/L Fresh water	Algae - <i>Desmodesmus subspicatus</i>	72 hours
	Acute EC50 1337000 µg/l Fresh water	Algae - <i>Navicula seminulum</i>	96 hours

## Section 12. Ecological information

	Acute LC50 9.68 mg/l Fresh water	Crustaceans - <i>Pseudosida ramosa</i> - Neonate	48 hours
	Acute LC50 93000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 509.65 mg/l Fresh water	Fish - <i>Danio rerio</i>	96 hours
<b>T4 DNA Ligase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
<b>Ligation Buffer</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
<b>5X Herculase II Reaction Buffer</b> Trometamol	Acute EC50 >980 mg/l Fresh water	Daphnia	48 hours
	Acute NOEC 520 mg/l Fresh water	Daphnia	48 hours
Hexadecan-1-ol, ethoxylated	Acute LC50 330000 to 1000000 µg/l Marine water	Crustaceans - <i>Crangon crangon</i> - Adult	48 hours
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water	Algae - <i>Skeletonema costatum</i>	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - <i>Artemia salina</i> - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - <i>Daphnia pulex</i> - Neonate	48 hours
	Acute LC50 590 µg/l Fresh water	Fish - <i>Cirrhinus mrigala</i> - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - <i>Ulva fasciata</i> - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - <i>Pseudosida ramosa</i> - Neonate	21 days
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
	Chronic NOEC 0.8 mg/l Fresh water	Fish - <i>Gambusia holbrooki</i>	28 days
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water	Algae - <i>Skeletonema costatum</i>	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - <i>Artemia salina</i> - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - <i>Daphnia pulex</i> - Neonate	48 hours
	Acute LC50 590 µg/l Fresh water	Fish - <i>Cirrhinus mrigala</i> - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - <i>Ulva fasciata</i> - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - <i>Pseudosida ramosa</i> - Neonate	21 days
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
	Chronic NOEC 0.8 mg/l Fresh water	Fish - <i>Gambusia holbrooki</i>	28 days
<b>SureSelect RNase Block</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours

### [12.2 Persistence and degradability](#)

## Section 12. Ecological information

Product/ingredient name	Test	Result	Dose	Inoculum
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>T4 DNA Ligase</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>Ligation Buffer</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>5X Herculase II Reaction Buffer</b> Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days	30 mg/l	-
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test	95 % - Readily - 28 days	20 mg/l	-
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	OECD 301B Ready Biodegradability - CO <sub>2</sub> Evolution Test	95 % - Readily - 28 days	20 mg/l	-
<b>SureSelect RNase Block</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> Glycerol	301D Ready	93 % - 30 days	-	-

## Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>End Repair-A Tailing Buffer</b> Potassium chloride	-	-	Readily
<b>5X Herculase II Reaction Buffer</b> Trometamol	-	-	Readily
Hexadecan-1-ol, ethoxylated	-	-	Readily
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	-	-	Readily
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>End Repair-A Tailing Enzyme Mix</b> Glycerol	-1.76	-	Low
<b>End Repair-A Tailing Buffer</b> Potassium chloride	-0.46	-	Low
<b>T4 DNA Ligase</b> Glycerol	-1.76	-	Low
<b>Ligation Buffer</b> Glycerol	-1.76	-	Low
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	-1.76	-	Low
<b>5X Herculase II Reaction Buffer</b> Trometamol	-2.31	-	Low
Hexadecan-1-ol, ethoxylated	>6.06	-	High
<b>SureSelect Wash Buffer 1</b> Sodium dodecyl sulphate	-2.03	-	Low
<b>SureSelect Wash Buffer 2</b> Sodium dodecyl sulphate	-2.03	-	Low
<b>SureSelect RNase Block</b> Glycerol	-1.76	-	Low
<b>SSeI XT HS Cancer All-In-One Lung, 16 Reactions</b> Glycerol	-1.76	-	Low

## Section 12. Ecological information

### 12.4 Mobility in soil

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

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

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

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

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

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

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

## Section 14. Transport information

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

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

Transport in bulk according to IMO instruments : Not available.

## Section 15. Regulatory information

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

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

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

**Clean Air Act Section 602 Class I Substances** : Not listed



## Section 15. Regulatory information

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

<b>Classification</b>	:	End Repair-A Tailing Enzyme Mix	EYE IRRITATION - Category 2B
		End Repair-A Tailing Buffer	Not applicable.
		T4 DNA Ligase	EYE IRRITATION - Category 2B
		Ligation Buffer	EYE IRRITATION - Category 2B
		Adaptor Oligo Mix	Not applicable.
		Forward Primer	Not applicable.
		100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
		Herculase II Fusion DNA Polymerase	EYE IRRITATION - Category 2B
		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	EYE IRRITATION - Category 2B
		SureSelect Post- Capture Primer Mix	Not applicable.
		SureSelect XT HS Index Primer A01-H02	Not applicable.
		SSeI XT HS Cancer All-In-One Lung, 16 Reactions	Not applicable.

Composition/information on ingredients

Name	%	Classification
<b>End Repair-A Tailing Enzyme Mix</b>		
Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2B
<b>End Repair-A Tailing Buffer</b>		
Potassium chloride	≤3	EYE IRRITATION - Category 2B
<b>T4 DNA Ligase</b>		
Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2B
<b>Ligation Buffer</b>		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2B
<b>Herculase II Fusion DNA Polymerase</b>		
Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2B
<b>5X Herculase II Reaction Buffer</b>		
Trometamol	≤3	COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
<b>SureSelect RNase Block</b>		
Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2B

## Section 15. Regulatory information

SSeI XT HS Cancer All-In-One  
Lung, 16 Reactions  
Glycerol

≤3

EYE IRRITATION - Category 2B

### SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	<input checked="" type="checkbox"/> Herculase II Reaction Buffer Ammonium sulphate	7783-20-2	≤3
Supplier notification	<input checked="" type="checkbox"/> Herculase II Reaction Buffer Ammonium sulphate	7783-20-2	≤3

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

### State regulations

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

### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

### International regulations

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

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

Not listed.

### Inventory list

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

## Section 16. Other information

### Procedure used to derive the classification

Classification	Justification
<b>End Repair-A Tailing Enzyme Mix</b> EYE IRRITATION - Category 2B	Calculation method
<b>T4 DNA Ligase</b> EYE IRRITATION - Category 2B	Calculation method
<b>Ligation Buffer</b> EYE IRRITATION - Category 2B	Calculation method
<b>Herculase II Fusion DNA Polymerase</b> EYE IRRITATION - Category 2B	Calculation method
<b>SureSelect RNase Block</b> EYE IRRITATION - Category 2B	Calculation method

### History

**Date of issue/Date of revision** : 04/30/2024  
**Date of previous issue** : 05/20/2021  
**Version** : 4

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 UN = United Nations

☑ 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 \*** : \*SureSelect XT HS Index Primer A01-H02: 5190-6419, 5190-6420, 5190-6421, 5190-6422, 5190-6423, 5190-6424, 5190-6425, 5190-6426, 5190-6427, 5190-6428, 5190-6429, 5190-6430, 5190-6431, 5190-6432, 5190-6433, 5190-6434