

# SAFETY DATA SHEET

SureSelect XT2 Reagent Kit - ILM - 480 Reactions

## Section 1. Identification

<b>Product identifier</b>	: SureSelect XT2 Reagent Kit - ILM - 480 Reactions
<b>Part no. (chemical kit)</b>	: G9661C, G9662C
<b>Part no.</b>	: SureSelect End Repair Enzyme Mix 5190-7860 SureSelect End Repair Nucleotide Mix 5190-7861 SureSelect dA-Tailing Master Mix 5190-3806 SureSelect Ligation Master Mix 5190-3807 SureSelect Herculase II Master Mix 5190-3808 XT2 Primer Mix 5190-3809 SureSelect Pre-capture Indexed Adaptors A01-H12 5190-7945 SureSelect XT2 Binding Buffer 5190-4091 SureSelect XT2 Wash 1 5190-4092 SureSelect XT2 Wash 2 5190-4093 SureSelect RNase Block 5190-4386 SureSelect XT2 Hybridization Buffer 5190-4086 / 5190-4466 SureSelect XT2 Blocking Mix 5190-4087 / 5190-4467
<b>Material uses</b>	: Analytical reagent. SureSelect End Repair Enzyme Mix 5 x 6.2 ml (96 reactions) SureSelect End Repair Nucleotide Mix 5 x 1.6 ml (96 reactions) SureSelect dA-Tailing Master Mix 5 x 2.86 ml (96 reactions) SureSelect Ligation Master Mix 5 x 0.8 ml (96 reactions) SureSelect Herculase II Master Mix 5 x 0.8 ml (96 reactions) XT2 Primer Mix 5 x 0.32 ml (96 reactions) SureSelect Pre-capture Indexed Adaptors A01-H12 480 x 0.015 ml SureSelect XT2 Binding Buffer 48 ml SureSelect XT2 Wash 1 12 ml SureSelect XT2 Wash 2 72 ml SureSelect RNase Block 0.096 ml SureSelect XT2 Hybridization Buffer 2.22 ml - 3.3 ml SureSelect XT2 Blocking Mix 0.54 ml - 1.08 ml
<b>Supplier/Manufacturer</b>	: Agilent Technologies, Inc. 5301 Stevens Creek Blvd Santa Clara, CA 95051, USA 800-227-9770
<b>Emergency telephone number (with hours of operation)</b>	: CHEMTREC®: 1-800-424-9300

## Section 2. Hazard identification

### Classification of the substance or mixture

#### SureSelect End Repair Enzyme Mix

H319 EYE IRRITATION - Category 2A

#### SureSelect dA-Tailing Master Mix

H319 EYE IRRITATION - Category 2A

#### SureSelect Ligation Master Mix

## Section 2. Hazard identification

H319 EYE IRRITATION - Category 2A

### SureSelect RNase Block

H320 EYE IRRITATION - Category 2B

### SureSelect XT2 Hybridization Buffer

H319 EYE IRRITATION - Category 2A

H412 AQUATIC HAZARD (LONG-TERM) - Category 3

### GHS label elements

#### Hazard pictograms

: SureSelect End Repair  
Enzyme Mix



SureSelect dA-Tailing  
Master Mix



SureSelect Ligation Master  
Mix



SureSelect XT2  
Hybridization Buffer



#### Signal word

: SureSelect End Repair Enzyme Mix	Warning
SureSelect End Repair Nucleotide Mix	No signal word.
SureSelect dA-Tailing Master Mix	Warning
SureSelect Ligation Master Mix	Warning
SureSelect Herculase II Master Mix	No signal word.
XT2 Primer Mix	No signal word.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	No signal word.
SureSelect XT2 Binding Buffer	No signal word.
SureSelect XT2 Wash 1	No signal word.
SureSelect XT2 Wash 2	No signal word.
SureSelect RNase Block	Warning
SureSelect XT2 Hybridization Buffer	Warning
SureSelect XT2 Blocking Mix	No signal word.

#### Hazard statements

: SureSelect End Repair Enzyme Mix	H319 - Causes serious eye irritation.
SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
SureSelect dA-Tailing Master Mix	H319 - Causes serious eye irritation.
SureSelect Ligation Master	H319 - Causes serious eye irritation.

## Section 2. Hazard identification

Mix SureSelect Herculanase II Master Mix XT2 Primer Mix SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 SureSelect RNase Block SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. H320 - Causes eye irritation. H319 - Causes serious eye irritation.
SureSelect XT2 Blocking Mix	H412 - Harmful to aquatic life with long lasting effects. No known significant effects or critical hazards.

### Precautionary statements

#### Prevention

: SureSelect End Repair Enzyme Mix	P280 - Wear eye or face protection.  P264 - Wash hands thoroughly after handling. Not applicable.
SureSelect End Repair Nucleotide Mix SureSelect dA-Tailing Master Mix	P280 - Wear eye or face protection.  P264 - Wash hands thoroughly after handling. P280 - Wear eye or face protection.
SureSelect Ligation Master Mix	P264 - Wash hands thoroughly after handling. Not applicable.
SureSelect Herculanase II Master Mix XT2 Primer Mix SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not applicable. Not applicable.
SureSelect XT2 Binding Buffer SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 SureSelect RNase Block SureSelect XT2 Hybridization Buffer	Not applicable. Not applicable. P264 - Wash hands thoroughly after handling. P280 - Wear eye or face protection.

#### Response

: SureSelect XT2 Blocking Mix	P273 - Avoid release to the environment. P264 - Wash hands thoroughly after handling. Not applicable.
: SureSelect End Repair 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 attention. Not applicable.
SureSelect End Repair Nucleotide Mix SureSelect dA-Tailing Master 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 attention.
SureSelect Ligation Master 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 attention.

## Section 2. Hazard identification

	SureSelect Herculase II Master Mix	Not applicable.
	XT2 Primer Mix	Not applicable.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not applicable.
	SureSelect XT2 Binding Buffer	Not applicable.
	SureSelect XT2 Wash 1	Not applicable.
	SureSelect XT2 Wash 2	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 attention.
	SureSelect XT2 Hybridization 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 attention.
	SureSelect XT2 Blocking Mix	Not applicable.
<b>Storage</b>	: SureSelect End Repair Enzyme Mix	Not applicable.
	SureSelect End Repair Nucleotide Mix	Not applicable.
	SureSelect dA-Tailing Master Mix	Not applicable.
	SureSelect Ligation Master Mix	Not applicable.
	SureSelect Herculase II Master Mix	Not applicable.
	XT2 Primer Mix	Not applicable.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not applicable.
	SureSelect XT2 Binding Buffer	Not applicable.
	SureSelect XT2 Wash 1	Not applicable.
	SureSelect XT2 Wash 2	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect XT2 Hybridization Buffer	Not applicable.
	SureSelect XT2 Blocking Mix	Not applicable.
<b>Disposal</b>	: SureSelect End Repair Enzyme Mix	Not applicable.
	SureSelect End Repair Nucleotide Mix	Not applicable.
	SureSelect dA-Tailing Master Mix	Not applicable.
	SureSelect Ligation Master Mix	Not applicable.
	SureSelect Herculase II Master Mix	Not applicable.
	XT2 Primer Mix	Not applicable.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not applicable.
	SureSelect XT2 Binding Buffer	Not applicable.
	SureSelect XT2 Wash 1	Not applicable.
	SureSelect XT2 Wash 2	Not applicable.

## Section 2. Hazard identification

### Supplemental label elements

SureSelect RNase Block	Not applicable.
SureSelect XT2 Hybridization Buffer	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
SureSelect XT2 Blocking Mix	Not applicable.
SureSelect End Repair Enzyme Mix	None known.
SureSelect End Repair Nucleotide Mix	None known.
SureSelect dA-Tailing Master Mix	None known.
SureSelect Ligation Master Mix	None known.
SureSelect Herculanase II Master Mix	None known.
XT2 Primer Mix	None known.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	None known.
SureSelect XT2 Binding Buffer	None known.
SureSelect XT2 Wash 1	None known.
SureSelect XT2 Wash 2	None known.
SureSelect RNase Block	None known.
SureSelect XT2 Hybridization Buffer	None known.
SureSelect XT2 Blocking Mix	None known.
SureSelect End Repair Enzyme Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
SureSelect dA-Tailing Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
SureSelect Ligation Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60% Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
SureSelect Herculanase II Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
SureSelect XT2 Binding Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
SureSelect RNase Block	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
SureSelect XT2 Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%

## Section 2. Hazard identification

	SureSelect End Repair Enzyme Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%
	SureSelect dA-Tailing Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%
	SureSelect Ligation Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%
	SureSelect XT2 Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.4%
<b>Other hazards which do not result in classification</b>	SureSelect End Repair Enzyme Mix	None known.
	SureSelect End Repair Nucleotide Mix	None known.
	SureSelect dA-Tailing Master Mix	None known.
	SureSelect Ligation Master Mix	None known.
	SureSelect Herculanase II Master Mix	None known.
	XT2 Primer Mix	None known.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	None known.
	SureSelect XT2 Binding Buffer	None known.
	SureSelect XT2 Wash 1	None known.
	SureSelect XT2 Wash 2	None known.
	SureSelect RNase Block	None known.
	SureSelect XT2 Hybridization Buffer	None known.
	SureSelect XT2 Blocking Mix	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	SureSelect End Repair Enzyme Mix	Mixture
	SureSelect End Repair Nucleotide Mix	Mixture
	SureSelect dA-Tailing Master Mix	Mixture
	SureSelect Ligation Master Mix	Mixture
	SureSelect Herculanase II Master Mix	Mixture
	XT2 Primer Mix	Mixture
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Mixture
	SureSelect XT2 Binding Buffer	Mixture
	SureSelect XT2 Wash 1	Mixture
	SureSelect XT2 Wash 2	Mixture
	SureSelect RNase Block	Mixture
	SureSelect XT2 Hybridization Buffer	Mixture
	SureSelect XT2 Blocking Mix	Mixture

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

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

## Section 4. First-aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	: SureSelect End Repair 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. Get medical attention.
	SureSelect End Repair Nucleotide 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 dA-Tailing Master 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. Get medical attention.
	SureSelect Ligation Master 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. Get medical attention.
	SureSelect Herculanase II Master 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.
	XT2 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 Pre-capture Indexed Adaptor Set A01-H12	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect XT2 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 XT2 Wash 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 XT2 Wash 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 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 XT2 Hybridization Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	SureSelect XT2 Blocking 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.

## Section 4. First-aid measures

### Inhalation

: SureSelect End Repair 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. 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 End Repair Nucleotide Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect dA-Tailing Master 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. 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 Ligation Master 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. 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 Herculase II Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
XT2 Primer Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT2 Binding Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT2 Wash 1	Remove victim to fresh air and keep at rest in a

## Section 4. First-aid measures

		position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect XT2 Wash 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	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 XT2 Hybridization 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.
	SureSelect XT2 Blocking Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	: SureSelect End Repair 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.
	SureSelect End Repair Nucleotide Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect dA-Tailing Master 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.
	SureSelect Ligation Master 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.
	SureSelect Herculase II Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	XT2 Primer Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT2 Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT2 Wash 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT2 Wash 2	Flush contaminated skin with plenty of water.

## Section 4. First-aid measures

### Ingestion

SureSelect RNase Block	Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
SureSelect XT2 Hybridization 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.
SureSelect XT2 Blocking Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
: SureSelect End Repair Enzyme Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect End Repair Nucleotide Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect dA-Tailing Master Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Ligation Master Mix	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. 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

## Section 4. First-aid measures

	does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Herculase II Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
XT2 Primer Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT2 Binding Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT2 Wash 1	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT2 Wash 2	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect RNase Block	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. 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

## Section 4. First-aid measures

SureSelect XT2  
Hybridization Buffer

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

SureSelect XT2 Blocking Mix

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

#### Potential acute health effects

##### Eye contact

SureSelect End Repair Enzyme Mix	Causes serious eye irritation.
SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
SureSelect dA-Tailing Master Mix	Causes serious eye irritation.
SureSelect Ligation Master Mix	Causes serious eye irritation.
SureSelect Herculase II Master Mix	No known significant effects or critical hazards.
XT2 Primer Mix	No known significant effects or critical hazards.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
SureSelect XT2 Wash 1	No known significant effects or critical hazards.
SureSelect XT2 Wash 2	No known significant effects or critical hazards.
SureSelect RNase Block	Causes eye irritation.
SureSelect XT2 Hybridization Buffer	Causes serious eye irritation.

##### Inhalation

SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.
SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
SureSelect Ligation Master Mix	No known significant effects or critical hazards.

## Section 4. First-aid measures

	SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.
	XT2 Primer Mix	No known significant effects or critical hazards.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
	SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Wash 1	No known significant effects or critical hazards.
	SureSelect XT2 Wash 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.
<b>Skin contact</b>	: SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
	SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
	SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.
	XT2 Primer Mix	No known significant effects or critical hazards.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
	SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Wash 1	No known significant effects or critical hazards.
	SureSelect XT2 Wash 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.
<b>Ingestion</b>	: SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
	SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
	SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.
	XT2 Primer Mix	No known significant effects or critical hazards.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
	SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Wash 1	No known significant effects or critical hazards.
	SureSelect XT2 Wash 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.

### Over-exposure signs/symptoms

## Section 4. First-aid measures

<b>Eye contact</b>	:	SureSelect End Repair Enzyme Mix	Adverse symptoms may include the following: pain or irritation watering redness
		SureSelect End Repair Nucleotide Mix	No specific data.
		SureSelect dA-Tailing Master Mix	Adverse symptoms may include the following: pain or irritation watering redness
		SureSelect Ligation Master Mix	Adverse symptoms may include the following: pain or irritation watering redness
		SureSelect Herculase II Master Mix	No specific data.
		XT2 Primer Mix	No specific data.
		SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific data.
		SureSelect XT2 Binding Buffer	No specific data.
		SureSelect XT2 Wash 1	No specific data.
		SureSelect XT2 Wash 2	No specific data.
		SureSelect RNase Block	Adverse symptoms may include the following: irritation watering redness
		SureSelect XT2 Hybridization Buffer	Adverse symptoms may include the following: pain or irritation watering redness
		SureSelect XT2 Blocking Mix	No specific data.
<b>Inhalation</b>	:	SureSelect End Repair Enzyme Mix	No specific data.
		SureSelect End Repair Nucleotide Mix	No specific data.
		SureSelect dA-Tailing Master Mix	No specific data.
		SureSelect Ligation Master Mix	No specific data.
		SureSelect Herculase II Master Mix	No specific data.
		XT2 Primer Mix	No specific data.
		SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific data.
		SureSelect XT2 Binding Buffer	No specific data.
		SureSelect XT2 Wash 1	No specific data.
		SureSelect XT2 Wash 2	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect XT2 Hybridization Buffer	No specific data.
		SureSelect XT2 Blocking Mix	No specific data.

## Section 4. First-aid measures

<b>Skin contact</b>	: SureSelect End Repair Enzyme Mix	No specific data.	
	SureSelect End Repair Nucleotide Mix	No specific data.	
	SureSelect dA-Tailing Master Mix	No specific data.	
	SureSelect Ligation Master Mix	No specific data.	
	SureSelect Herculase II Master Mix	No specific data.	
	XT2 Primer Mix	No specific data.	
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific data.	
	SureSelect XT2 Binding Buffer	No specific data.	
	SureSelect XT2 Wash 1	No specific data.	
	SureSelect XT2 Wash 2	No specific data.	
	SureSelect RNase Block	No specific data.	
	SureSelect XT2 Hybridization Buffer	No specific data.	
	SureSelect XT2 Blocking Mix	No specific data.	
	<b>Ingestion</b>	: SureSelect End Repair Enzyme Mix	No specific data.
		SureSelect End Repair Nucleotide Mix	No specific data.
		SureSelect dA-Tailing Master Mix	No specific data.
		SureSelect Ligation Master Mix	No specific data.
		SureSelect Herculase II Master Mix	No specific data.
		XT2 Primer Mix	No specific data.
		SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific data.
SureSelect XT2 Binding Buffer		No specific data.	
SureSelect XT2 Wash 1		No specific data.	
SureSelect XT2 Wash 2		No specific data.	
SureSelect RNase Block		No specific data.	
SureSelect XT2 Hybridization Buffer		No specific data.	
SureSelect XT2 Blocking Mix	No specific data.		

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

<b>Notes to physician</b>	: SureSelect End Repair Enzyme Mix	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 End Repair Nucleotide Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect dA-Tailing Master Mix	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 Ligation Master Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical

## Section 4. First-aid measures

SureSelect Herculanase II Master Mix	surveillance for 48 hours. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
XT2 Primer Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Binding Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Wash 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Wash 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Hybridization Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT2 Blocking Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Specific treatments

: SureSelect End Repair Enzyme Mix	No specific treatment.
SureSelect End Repair Nucleotide Mix	No specific treatment.
SureSelect dA-Tailing Master Mix	No specific treatment.
SureSelect Ligation Master Mix	No specific treatment.
SureSelect Herculanase II Master Mix	No specific treatment.
XT2 Primer Mix	No specific treatment.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific treatment.
SureSelect XT2 Binding Buffer	No specific treatment.
SureSelect XT2 Wash 1	No specific treatment.
SureSelect XT2 Wash 2	No specific treatment.
SureSelect RNase Block	No specific treatment.
SureSelect XT2 Hybridization Buffer	No specific treatment.
SureSelect XT2 Blocking Mix	No specific treatment.

### Protection of first-aiders

: SureSelect End Repair 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.
SureSelect End Repair Nucleotide Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect dA-Tailing Master 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.
SureSelect Ligation Master	No action shall be taken involving any personal risk

## Section 4. First-aid measures

Mix	or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
SureSelect Herculanase II Master Mix	No action shall be taken involving any personal risk or without suitable training.
XT2 Primer Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Binding Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Wash 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Wash 2	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 XT2 Hybridization 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.
SureSelect XT2 Blocking Mix	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

SureSelect End Repair Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect End Repair Nucleotide Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect dA-Tailing Master Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Ligation Master Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Herculanase II Master Mix	Use an extinguishing agent suitable for the surrounding fire.
XT2 Primer Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Binding Buffer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Wash 1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Wash 2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Hybridization Buffer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT2 Blocking Mix	Use an extinguishing agent suitable for the surrounding fire.

## Section 5. Fire-fighting measures

<b>Unsuitable extinguishing media</b>	: SureSelect End Repair Enzyme Mix	None known.	
	SureSelect End Repair Nucleotide Mix	None known.	
	SureSelect dA-Tailing Master Mix	None known.	
	SureSelect Ligation Master Mix	None known.	
	SureSelect Herculanase II Master Mix	None known.	
	XT2 Primer Mix	None known.	
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	None known.	
	SureSelect XT2 Binding Buffer	None known.	
	SureSelect XT2 Wash 1	None known.	
	SureSelect XT2 Wash 2	None known.	
	SureSelect RNase Block	None known.	
	SureSelect XT2 Hybridization Buffer	None known.	
	SureSelect XT2 Blocking Mix	None known.	
	<b>Specific hazards arising from the chemical</b>	: SureSelect End Repair Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
		SureSelect End Repair Nucleotide Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
		SureSelect dA-Tailing Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
		SureSelect Ligation Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Herculanase II Master Mix		In a fire or if heated, a pressure increase will occur and the container may burst.	
XT2 Primer Mix		In a fire or if heated, a pressure increase will occur and the container may burst.	
SureSelect Pre-capture Indexed Adaptor Set A01-H12		In a fire or if heated, a pressure increase will occur and the container may burst.	
SureSelect XT2 Binding Buffer		In a fire or if heated, a pressure increase will occur and the container may burst.	
SureSelect XT2 Wash 1		In a fire or if heated, a pressure increase will occur and the container may burst.	
SureSelect XT2 Wash 2		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 XT2 Hybridization Buffer		In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
SureSelect XT2 Blocking Mix		In a fire or if heated, a pressure increase will occur and the container may burst.	

## Section 5. Fire-fighting measures

<b>Hazardous thermal decomposition products</b>	: SureSelect End Repair Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds No specific data.	
	SureSelect End Repair Nucleotide Mix SureSelect dA-Tailing Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds	
	SureSelect Ligation Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds	
	SureSelect Herculase II Master Mix	Decomposition products may include the following materials: sulfur oxides metal oxide/oxides	
	XT2 Primer Mix SureSelect Pre-capture Indexed Adaptor Set A01-H12 SureSelect XT2 Binding Buffer	No specific data. No specific data. Decomposition products may include the following materials: halogenated compounds metal oxide/oxides	
	SureSelect XT2 Wash 1 SureSelect XT2 Wash 2 SureSelect RNase Block	No specific data. No specific data. Decomposition products may include the following materials: carbon dioxide carbon monoxide	
	SureSelect XT2 Hybridization Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides phosphorus oxides halogenated compounds metal oxide/oxides	
	SureSelect XT2 Blocking Mix	No specific data.	
	<b>Special protective actions for fire-fighters</b>	: SureSelect End Repair 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.
		SureSelect End Repair Nucleotide 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 dA-Tailing Master 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.	

## Section 5. Fire-fighting measures

SureSelect Ligation Master 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 Herculase II Master 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.
XT2 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 Pre-capture Indexed Adaptor Set A01-H12	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Binding Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Wash 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT2 Wash 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 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 XT2 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 XT2 Blocking 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.
<b>Special protective equipment for fire-fighters</b> : SureSelect End Repair 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.
SureSelect End Repair Nucleotide 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 dA-Tailing Master 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 Ligation Master 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 Herculase II Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
XT2 Primer Mix	Fire-fighters should wear appropriate protective

## Section 5. Fire-fighting measures

SureSelect Pre-capture Indexed Adaptor Set A01-H12	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect XT2 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 XT2 Wash 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 XT2 Wash 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 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 XT2 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 XT2 Blocking Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	: SureSelect End Repair 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.
	SureSelect End Repair Nucleotide 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 dA-Tailing Master 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.
	SureSelect Ligation Master 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

## Section 6. Accidental release measures

SureSelect Herculanase II Master Mix	through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Put on appropriate personal protective equipment.
XT2 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 Pre-capture Indexed Adaptor Set A01-H12	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect XT2 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 appropriate personal protective equipment.
SureSelect XT2 Wash 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect XT2 Wash 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 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 XT2 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect XT2 Blocking 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

## Section 6. Accidental release measures

<b>For emergency responders</b>	: SureSelect End Repair Enzyme Mix	protective equipment. 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 End Repair Nucleotide 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 dA-Tailing Master 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 Ligation Master 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 Herculanase II Master 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".
	XT2 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 Pre-capture Indexed Adaptor Set A01-H12	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 XT2 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 XT2 Wash 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 XT2 Wash 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 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 XT2 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 XT2 Blocking 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".

## Section 6. Accidental release measures

<b>Environmental precautions</b>	SureSelect End Repair 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).
	SureSelect End Repair Nucleotide 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 dA-Tailing Master 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 Ligation Master 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 Herculanase II Master 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).
	XT2 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 Pre-capture Indexed Adaptor Set A01-H12	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 XT2 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 XT2 Wash 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).
	SureSelect XT2 Wash 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 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 XT2 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). Water polluting material. May be harmful to the environment if released in large quantities.

## Section 6. Accidental release measures

SureSelect XT2 Blocking 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).

### Methods and materials for containment and cleaning up

<b>Methods for cleaning up</b>	: SureSelect End Repair 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.
	SureSelect End Repair Nucleotide 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 dA-Tailing Master 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 Ligation Master 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 Herculanase II Master 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.
	XT2 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 Pre-capture Indexed Adaptor Set A01-H12	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureSelect XT2 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 XT2 Wash 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

## Section 6. Accidental release measures

SureSelect XT2 Wash 2	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 RNase Block	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT2 Hybridization Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT2 Blocking 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.

## Section 7. Handling and storage

### Precautions for safe handling

#### Protective measures

: SureSelect End Repair 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.
SureSelect End Repair Nucleotide Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect dA-Tailing Master 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.
SureSelect Ligation Master 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.
SureSelect Herculanase II Master Mix	Put on appropriate personal protective equipment (see Section 8).
XT2 Primer Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect Pre-capture Indexed Adaptor Set	Put on appropriate personal protective equipment (see Section 8).

## Section 7. Handling and storage

A01-H12	
SureSelect XT2 Binding Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect XT2 Wash 1	Put on appropriate personal protective equipment (see Section 8).
SureSelect XT2 Wash 2	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 XT2 Hybridization 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. Avoid release to the environment. 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 XT2 Blocking Mix	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: 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 End Repair 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.
SureSelect End Repair Nucleotide 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 dA-Tailing Master 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 Ligation Master 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 Herculase II Master 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.
XT2 Primer Mix	Eating, drinking and smoking should be prohibited in

## Section 7. Handling and storage

SureSelect Pre-capture  
Indexed Adaptor Set  
A01-H12

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.

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 XT2 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 XT2 Wash 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 XT2 Wash 2

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

SureSelect 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 XT2  
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 XT2 Blocking 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.

## Section 7. Handling and storage

<b>Conditions for safe storage, including any incompatibilities</b>	: SureSelect End Repair 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.
	SureSelect End Repair Nucleotide 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 dA-Tailing Master 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 Ligation Master 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 Herculanase II Master 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.
	XT2 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

## Section 7. Handling and storage

SureSelect Pre-capture  
Indexed Adaptor Set  
A01-H12

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 XT2 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 XT2 Wash 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 XT2 Wash 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 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 XT2

Store in accordance with local regulations. Store in

## Section 7. Handling and storage

### Hybridization Buffer

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 XT2 Blocking 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.

## Section 8. Exposure controls/personal protection

### [Control parameters](#)

### [Occupational exposure limits](#)

Ingredient name	Exposure limits
<p><b>SureSelect End Repair Enzyme Mix</b> Glycerol</p>	<p><b>CA Alberta Provincial (Canada, 4/2009).</b> 8 hrs OEL: 10 mg/m<sup>3</sup> 8 hours. Form: Mist <b>CA British Columbia Provincial (Canada, 6/2017).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Mist TWA: 3 mg/m<sup>3</sup> 8 hours. Form: respirable mist <b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 20 mg/m<sup>3</sup> 15 minutes. Form: mist TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist</p>
<p><b>SureSelect dA-Tailing Master Mix</b> Glycerol</p>	<p><b>CA Alberta Provincial (Canada, 4/2009).</b> 8 hrs OEL: 10 mg/m<sup>3</sup> 8 hours. Form: Mist <b>CA British Columbia Provincial (Canada, 6/2017).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Mist TWA: 3 mg/m<sup>3</sup> 8 hours. Form: respirable mist <b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 20 mg/m<sup>3</sup> 15 minutes. Form: mist TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist</p>

## Section 8. Exposure controls/personal protection

<p>Polyethylene glycol</p> <p><b>SureSelect Ligation Master Mix</b> Glycerol</p>	<p><b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>AIHA WEEL (United States, 5/2018).</b> TWA: 10 mg/m<sup>3</sup> 8 hours.</p> <p><b>CA Alberta Provincial (Canada, 4/2009).</b> 8 hrs OEL: 10 mg/m<sup>3</sup> 8 hours. Form: Mist <b>CA British Columbia Provincial (Canada, 6/2017).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Mist TWA: 3 mg/m<sup>3</sup> 8 hours. Form: respirable mist <b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 20 mg/m<sup>3</sup> 15 minutes. Form: mist TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>AIHA WEEL (United States, 5/2018).</b> TWA: 10 mg/m<sup>3</sup> 8 hours.</p>
<p>Polyethylene glycol</p> <p><b>SureSelect RNase Block</b> Glycerol</p>	<p><b>CA Alberta Provincial (Canada, 4/2009).</b> 8 hrs OEL: 10 mg/m<sup>3</sup> 8 hours. Form: Mist <b>CA British Columbia Provincial (Canada, 6/2017).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: Mist TWA: 3 mg/m<sup>3</sup> 8 hours. Form: respirable mist <b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 20 mg/m<sup>3</sup> 15 minutes. Form: mist TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist <b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 10 mg/m<sup>3</sup> 8 hours. Form: mist</p>

**Appropriate engineering controls**

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

**Environmental exposure controls**

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

**Individual protection measures**

**Hygiene measures**

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

## Section 8. Exposure controls/personal protection

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

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: SureSelect End Repair Enzyme Mix	Liquid.
	SureSelect End Repair Nucleotide Mix	Liquid.
	SureSelect dA-Tailing Master Mix	Liquid.
	SureSelect Ligation Master Mix	Liquid.
	SureSelect Herculase II Master Mix	Liquid.
	XT2 Primer Mix	Liquid.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Liquid.
	SureSelect XT2 Binding Buffer	Liquid.
	SureSelect XT2 Wash 1	Liquid.
	SureSelect XT2 Wash 2	Liquid.
	SureSelect RNase Block	Liquid.
	SureSelect XT2 Hybridization Buffer	Liquid.
	SureSelect XT2 Blocking Mix	Liquid.
<b>Color</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculase II Master Mix	Not available.

## Section 9. Physical and chemical properties

	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2 Hybridization Buffer	Not available.
	SureSelect XT2 Blocking Mix	Not available.
<b>Odor</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2 Hybridization Buffer	Not available.
	SureSelect XT2 Blocking Mix	Not available.
<b>Odor threshold</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2 Hybridization Buffer	Not available.
	SureSelect XT2 Blocking Mix	Not available.

**pH** :

## Section 9. Physical and chemical properties

	SureSelect End Repair	7.5
	Enzyme Mix	
	SureSelect End Repair	7.5
	Nucleotide Mix	
	SureSelect dA-Tailing	7.5
	Master Mix	
	SureSelect Ligation Master	7.5
	Mix	
	SureSelect Herculase II	10
	Master Mix	
	XT2 Primer Mix	7.5
	SureSelect Pre-capture	7 to 8
	Indexed Adaptor Set	
	A01-H12	
	SureSelect XT2 Binding	7.5
	Buffer	
	SureSelect XT2 Wash 1	7
	SureSelect XT2 Wash 2	7
	SureSelect RNase Block	Not available.
	SureSelect XT2	Not available.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	7.5
<b>Melting point</b>	: SureSelect End Repair	Not available.
	Enzyme Mix	
	SureSelect End Repair	0°C (32°F)
	Nucleotide Mix	
	SureSelect dA-Tailing	Not available.
	Master Mix	
	SureSelect Ligation Master	Not available.
	Mix	
	SureSelect Herculase II	Not available.
	Master Mix	
	XT2 Primer Mix	0°C (32°F)
	SureSelect Pre-capture	0°C (32°F)
	Indexed Adaptor Set	
	A01-H12	
	SureSelect XT2 Binding	Not available.
	Buffer	
	SureSelect XT2 Wash 1	0°C (32°F)
	SureSelect XT2 Wash 2	0°C (32°F)
	SureSelect RNase Block	Not available.
	SureSelect XT2	Not available.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	0°C (32°F)
<b>Boiling point</b>	: SureSelect End Repair	Not available.
	Enzyme Mix	
	SureSelect End Repair	100°C (212°F)
	Nucleotide Mix	
	SureSelect dA-Tailing	Not available.
	Master Mix	
	SureSelect Ligation Master	Not available.
	Mix	
	SureSelect Herculase II	Not available.
	Master Mix	
	XT2 Primer Mix	100°C (212°F)
	SureSelect Pre-capture	100°C (212°F)
	Indexed Adaptor Set	
	A01-H12	
	SureSelect XT2 Binding	Not available.
	Buffer	
	SureSelect XT2 Wash 1	100°C (212°F)

## Section 9. Physical and chemical properties

	SureSelect XT2 Wash 2	100°C (212°F)
	SureSelect RNase Block	Not available.
	SureSelect XT2	Not available.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	100°C (212°F)
<b>Flash point</b>	: SureSelect End Repair	Not available.
	Enzyme Mix	
	SureSelect End Repair	Not available.
	Nucleotide Mix	
	SureSelect dA-Tailing	Not available.
	Master Mix	
	SureSelect Ligation Master	Not available.
	Mix	
	SureSelect Herculanase II	Not available.
	Master Mix	
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture	Not available.
	Indexed Adaptor Set	
	A01-H12	
	SureSelect XT2 Binding	Not available.
	Buffer	
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2	Not available.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	Not available.
<b>Evaporation rate</b>	: SureSelect End Repair	Not available.
	Enzyme Mix	
	SureSelect End Repair	Not available.
	Nucleotide Mix	
	SureSelect dA-Tailing	Not available.
	Master Mix	
	SureSelect Ligation Master	Not available.
	Mix	
	SureSelect Herculanase II	Not available.
	Master Mix	
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture	Not available.
	Indexed Adaptor Set	
	A01-H12	
	SureSelect XT2 Binding	Not available.
	Buffer	
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2	Not available.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	Not available.
<b>Flammability (solid, gas)</b>	: SureSelect End Repair	Not applicable.
	Enzyme Mix	
	SureSelect End Repair	Not applicable.
	Nucleotide Mix	
	SureSelect dA-Tailing	Not applicable.
	Master Mix	
	SureSelect Ligation Master	Not applicable.
	Mix	
	SureSelect Herculanase II	Not applicable.
	Master Mix	
	XT2 Primer Mix	Not applicable.
	SureSelect Pre-capture	Not applicable.

## Section 9. Physical and chemical properties

	Indexed Adaptor Set A01-H12	
	SureSelect XT2 Binding Buffer	Not applicable.
	SureSelect XT2 Wash 1	Not applicable.
	SureSelect XT2 Wash 2	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect XT2	Not applicable.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set	Not available.
	A01-H12	
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2	Not available.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	Not available.
<b>Vapor pressure</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set	Not available.
	A01-H12	
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2	Not available.
	Hybridization Buffer	
	SureSelect XT2 Blocking Mix	Not available.
<b>Vapor density</b>	:	

## Section 9. Physical and chemical properties

	SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculanase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2 Hybridization Buffer	Not available.
	SureSelect XT2 Blocking Mix	Not available.
<b>Relative density</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculanase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2 Hybridization Buffer	Not available.
	SureSelect XT2 Blocking Mix	Not available.
<b>Solubility</b>	: SureSelect End Repair Enzyme Mix	Soluble in the following materials: cold water and hot water.
	SureSelect End Repair Nucleotide Mix	Easily soluble in the following materials: cold water and hot water.
	SureSelect dA-Tailing Master Mix	Soluble in the following materials: cold water and hot water.
	SureSelect Ligation Master Mix	Soluble in the following materials: cold water and hot water.
	SureSelect Herculanase II Master Mix	Easily soluble in the following materials: cold water and hot water.
	XT2 Primer Mix	Easily soluble in the following materials: cold water and hot water.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Easily soluble in the following materials: cold water and hot water.
	SureSelect XT2 Binding Buffer	Easily soluble in the following materials: cold water and hot water.

## Section 9. Physical and chemical properties

	SureSelect XT2 Wash 1	Easily soluble in the following materials: cold water and hot water.
	SureSelect XT2 Wash 2	Easily soluble in the following materials: cold water and hot water.
	SureSelect RNase Block	Soluble in the following materials: cold water and hot water.
	SureSelect XT2 Hybridization Buffer	Easily soluble in the following materials: cold water and hot water.
	SureSelect XT2 Blocking Mix	Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2 Hybridization Buffer	Not available.
	SureSelect XT2 Blocking Mix	Not available.
<b>Auto-ignition temperature</b>	: SureSelect End Repair Enzyme Mix	Not available.
	SureSelect End Repair Nucleotide Mix	Not available.
	SureSelect dA-Tailing Master Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	SureSelect Herculase II Master Mix	Not available.
	XT2 Primer Mix	Not available.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
	SureSelect XT2 Binding Buffer	Not available.
	SureSelect XT2 Wash 1	Not available.
	SureSelect XT2 Wash 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect XT2 Hybridization Buffer	Not available.
	SureSelect XT2 Blocking Mix	Not available.

## Section 9. Physical and chemical properties

<b>Decomposition temperature</b>	SureSelect End Repair Enzyme Mix	Not available.	
	SureSelect End Repair Nucleotide Mix	Not available.	
	SureSelect dA-Tailing Master Mix	Not available.	
	SureSelect Ligation Master Mix	Not available.	
	SureSelect Herculanase II Master Mix	Not available.	
	XT2 Primer Mix	Not available.	
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.	
	SureSelect XT2 Binding Buffer	Not available.	
	SureSelect XT2 Wash 1	Not available.	
	SureSelect XT2 Wash 2	Not available.	
	SureSelect RNase Block	Not available.	
	SureSelect XT2 Hybridization Buffer	Not available.	
	SureSelect XT2 Blocking Mix	Not available.	
	<b>Viscosity</b>	SureSelect End Repair Enzyme Mix	Not available.
		SureSelect End Repair Nucleotide Mix	Not available.
		SureSelect dA-Tailing Master Mix	Not available.
		SureSelect Ligation Master Mix	Not available.
		SureSelect Herculanase II Master Mix	Not available.
		XT2 Primer Mix	Not available.
		SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
SureSelect XT2 Binding Buffer		Not available.	
SureSelect XT2 Wash 1		Not available.	
SureSelect XT2 Wash 2		Not available.	
SureSelect RNase Block		Not available.	
SureSelect XT2 Hybridization Buffer		Not available.	
SureSelect XT2 Blocking Mix		Not available.	

## Section 10. Stability and reactivity

<b>Reactivity</b>	SureSelect End Repair Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect End Repair Nucleotide Mix	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect dA-Tailing Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect Ligation Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect Herculanase II Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	XT2 Primer Mix	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect Pre-capture Indexed Adaptor Set	No specific test data related to reactivity available for this product or its ingredients.

## Section 10. Stability and reactivity

A01-H12	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT2 Binding Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT2 Wash 1	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT2 Wash 2	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 XT2 Hybridization Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT2 Blocking Mix	No specific test data related to reactivity available for this product or its ingredients.

### Chemical stability

SureSelect End Repair Enzyme Mix	The product is stable.
SureSelect End Repair Nucleotide Mix	The product is stable.
SureSelect dA-Tailing Master Mix	The product is stable.
SureSelect Ligation Master Mix	The product is stable.
SureSelect Herculase II Master Mix	The product is stable.
XT2 Primer Mix	The product is stable.
SureSelect Pre-capture Indexed Adaptor Set	The product is stable.
A01-H12	
SureSelect XT2 Binding Buffer	The product is stable.
SureSelect XT2 Wash 1	The product is stable.
SureSelect XT2 Wash 2	The product is stable.
SureSelect RNase Block	The product is stable.
SureSelect XT2 Hybridization Buffer	The product is stable.
SureSelect XT2 Blocking Mix	The product is stable.

### Possibility of hazardous reactions

SureSelect End Repair Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect End Repair Nucleotide Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect dA-Tailing Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Ligation Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Herculase II Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
XT2 Primer Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Pre-capture Indexed Adaptor Set	Under normal conditions of storage and use, hazardous reactions will not occur.
A01-H12	
SureSelect XT2 Binding Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect XT2 Wash 1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect XT2 Wash 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect XT2	Under normal conditions of storage and use,

## Section 10. Stability and reactivity

Hybridization Buffer hazardous reactions will not occur.  
 SureSelect XT2 Blocking Mix Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to avoid

: SureSelect End Repair Enzyme Mix No specific data.  
 SureSelect End Repair Nucleotide Mix No specific data.  
 SureSelect dA-Tailing Master Mix No specific data.  
 SureSelect Ligation Master Mix No specific data.  
 SureSelect Herculanase II Master Mix No specific data.  
 XT2 Primer Mix No specific data.  
 SureSelect Pre-capture Indexed Adaptor Set A01-H12 No specific data.  
 SureSelect XT2 Binding Buffer No specific data.  
 SureSelect XT2 Wash 1 No specific data.  
 SureSelect XT2 Wash 2 No specific data.  
 SureSelect RNase Block No specific data.  
 SureSelect XT2 Hybridization Buffer No specific data.  
 SureSelect XT2 Blocking Mix No specific data.

### Incompatible materials

: SureSelect End Repair Enzyme Mix May react or be incompatible with oxidizing materials.  
 SureSelect End Repair Nucleotide Mix May react or be incompatible with oxidizing materials.  
 SureSelect dA-Tailing Master Mix May react or be incompatible with oxidizing materials.  
 SureSelect Ligation Master Mix May react or be incompatible with oxidizing materials.  
 SureSelect Herculanase II Master Mix May react or be incompatible with oxidizing materials.  
 XT2 Primer Mix May react or be incompatible with oxidizing materials.  
 SureSelect Pre-capture Indexed Adaptor Set A01-H12 May react or be incompatible with oxidizing materials.  
 SureSelect XT2 Binding Buffer May react or be incompatible with oxidizing materials.  
 SureSelect XT2 Wash 1 May react or be incompatible with oxidizing materials.  
 SureSelect XT2 Wash 2 May react or be incompatible with oxidizing materials.  
 SureSelect RNase Block May react or be incompatible with oxidizing materials.  
 SureSelect XT2 Hybridization Buffer May react or be incompatible with oxidizing materials.  
 SureSelect XT2 Blocking Mix May react or be incompatible with oxidizing materials.

### Hazardous decomposition products

: SureSelect End Repair Enzyme Mix Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
 SureSelect End Repair Nucleotide Mix Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
 SureSelect dA-Tailing Master Mix Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
 SureSelect Ligation Master Mix Under normal conditions of storage and use,

## Section 10. Stability and reactivity

Mix	hazardous decomposition products should not be produced.
SureSelect Herculanase II Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
XT2 Primer Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT2 Binding Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT2 Wash 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT2 Wash 2	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 XT2 Hybridization Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT2 Blocking Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### [Information on toxicological effects](#)

#### [Acute toxicity](#)

Product/ingredient name	Result	Species	Dose	Exposure
<b>SureSelect End Repair Enzyme Mix</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SureSelect dA-Tailing Master Mix</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SureSelect Ligation Master Mix</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SureSelect Herculanase II Master Mix</b> Ammonium sulphate	LD50 Oral	Rat	2840 mg/kg	-
<b>SureSelect XT2 Binding Buffer</b> Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
<b>SureSelect XT2 Wash 1</b> Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-
<b>SureSelect XT2 Wash 2</b> Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-

## Section 11. Toxicological information

<b>SureSelect RNase Block</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SureSelect XT2 Hybridization Buffer</b> Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>SureSelect End Repair Enzyme Mix</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>SureSelect dA-Tailing Master Mix</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>SureSelect Ligation Master Mix</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
<b>SureSelect XT2 Binding Buffer</b> Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
<b>SureSelect XT2 Wash 1</b> Sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	-	250 Micrograms	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-

## Section 11. Toxicological information

<b>SureSelect XT2 Wash 2</b> Sodium dodecyl sulphate	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 milligrams	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25 milligrams	-
	Eyes - Mild irritant	Rabbit	-	250 Micrograms	-
<b>SureSelect RNase Block</b> Glycerol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 milligrams	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25 milligrams	-
<b>SureSelect XT2 Hybridization Buffer</b> Sodium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Sodium dodecyl sulphate	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	250 Micrograms	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 milligrams	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 milligrams	-
Skin - Moderate irritant	Rabbit	-	24 hours 25 milligrams	-	

### Sensitization

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

## Section 11. Toxicological information

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>SureSelect End Repair Enzyme Mix</b> 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
<b>SureSelect dA-Tailing Master Mix</b> Polyethylene glycol	Category 3	Not applicable.	Respiratory tract irritation
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
<b>SureSelect Ligation Master Mix</b> Polyethylene glycol	Category 3	Not applicable.	Respiratory tract irritation
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
<b>SureSelect XT2 Wash 1</b> Sodium dodecyl sulphate	Category 3	Not applicable.	Respiratory tract irritation
<b>SureSelect XT2 Wash 2</b> Sodium dodecyl sulphate	Category 3	Not applicable.	Respiratory tract irritation
<b>SureSelect XT2 Hybridization Buffer</b> Sodium dodecyl sulphate	Category 3	Not applicable.	Respiratory tract irritation
Phosphoric acid, monosodium salt, monohydrate	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

SureSelect End Repair Enzyme Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect End Repair Nucleotide Mix	Not available.
SureSelect dA-Tailing Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect Ligation Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect Herculanase II Master Mix	Not available.
XT2 Primer Mix	Not available.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
SureSelect XT2 Binding Buffer	Not available.

## Section 11. Toxicological information

SureSelect XT2 Wash 1	Not available.
SureSelect XT2 Wash 2	Not available.
SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect XT2	Routes of entry anticipated: Oral, Dermal, Inhalation.
Hybridization Buffer	
SureSelect XT2 Blocking Mix	Not available.

### Potential acute health effects

#### Eye contact

SureSelect End Repair Enzyme Mix	Causes serious eye irritation.
SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
SureSelect dA-Tailing Master Mix	Causes serious eye irritation.
SureSelect Ligation Master Mix	Causes serious eye irritation.
SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.
XT2 Primer Mix	No known significant effects or critical hazards.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
SureSelect XT2 Wash 1	No known significant effects or critical hazards.
SureSelect XT2 Wash 2	No known significant effects or critical hazards.
SureSelect RNase Block	Causes eye irritation.
SureSelect XT2 Hybridization Buffer	Causes serious eye irritation.

#### Inhalation

SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.
SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
SureSelect Ligation Master Mix	No known significant effects or critical hazards.
SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.
XT2 Primer Mix	No known significant effects or critical hazards.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
SureSelect XT2 Wash 1	No known significant effects or critical hazards.
SureSelect XT2 Wash 2	No known significant effects or critical hazards.
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.

#### Skin contact

SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.
SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
SureSelect Ligation Master Mix	No known significant effects or critical hazards.
SureSelect Herculanase II	No known significant effects or critical hazards.

## Section 11. Toxicological information

	Master Mix	
	XT2 Primer Mix	No known significant effects or critical hazards.
	SureSelect Pre-capture Indexed Adaptor Set	No known significant effects or critical hazards.
	A01-H12	
	SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Wash 1	No known significant effects or critical hazards.
	SureSelect XT2 Wash 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.
<b>Ingestion</b>	: SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
	SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
	SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	SureSelect Herculase II Master Mix	No known significant effects or critical hazards.
	XT2 Primer Mix	No known significant effects or critical hazards.
	SureSelect Pre-capture Indexed Adaptor Set	No known significant effects or critical hazards.
	A01-H12	
	SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Wash 1	No known significant effects or critical hazards.
	SureSelect XT2 Wash 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.

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

<b>Eye contact</b>	: SureSelect End Repair Enzyme Mix	Adverse symptoms may include the following: pain or irritation watering redness
	SureSelect End Repair Nucleotide Mix	No specific data.
	SureSelect dA-Tailing Master Mix	Adverse symptoms may include the following: pain or irritation watering redness
	SureSelect Ligation Master Mix	Adverse symptoms may include the following: pain or irritation watering redness
	SureSelect Herculase II Master Mix	No specific data.
	XT2 Primer Mix	No specific data.
	SureSelect Pre-capture Indexed Adaptor Set	No specific data.
	A01-H12	

## Section 11. Toxicological information

	SureSelect XT2 Binding Buffer	No specific data.
	SureSelect XT2 Wash 1	No specific data.
	SureSelect XT2 Wash 2	No specific data.
	SureSelect RNase Block	Adverse symptoms may include the following: irritation watering redness
	SureSelect XT2 Hybridization Buffer	Adverse symptoms may include the following:  pain or irritation watering redness
	SureSelect XT2 Blocking Mix	No specific data.
<b>Inhalation</b>	: SureSelect End Repair Enzyme Mix	No specific data.
	SureSelect End Repair Nucleotide Mix	No specific data.
	SureSelect dA-Tailing Master Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	SureSelect Herculase II Master Mix	No specific data.
	XT2 Primer Mix	No specific data.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific data.
	SureSelect XT2 Binding Buffer	No specific data.
	SureSelect XT2 Wash 1	No specific data.
	SureSelect XT2 Wash 2	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect XT2 Hybridization Buffer	No specific data.
	SureSelect XT2 Blocking Mix	No specific data.
<b>Skin contact</b>	: SureSelect End Repair Enzyme Mix	No specific data.
	SureSelect End Repair Nucleotide Mix	No specific data.
	SureSelect dA-Tailing Master Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	SureSelect Herculase II Master Mix	No specific data.
	XT2 Primer Mix	No specific data.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific data.
	SureSelect XT2 Binding Buffer	No specific data.
	SureSelect XT2 Wash 1	No specific data.
	SureSelect XT2 Wash 2	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect XT2 Hybridization Buffer	No specific data.
	SureSelect XT2 Blocking Mix	No specific data.

## Section 11. Toxicological information

<b>Ingestion</b>	: SureSelect End Repair Enzyme Mix	No specific data.
	SureSelect End Repair Nucleotide Mix	No specific data.
	SureSelect dA-Tailing Master Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	SureSelect Herculanase II Master Mix	No specific data.
	XT2 Primer Mix	No specific data.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No specific data.
	SureSelect XT2 Binding Buffer	No specific data.
	SureSelect XT2 Wash 1	No specific data.
	SureSelect XT2 Wash 2	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect XT2 Hybridization Buffer	No specific data.
	SureSelect XT2 Blocking Mix	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

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

<b>General</b>	: SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
	SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
	SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.
	XT2 Primer Mix	No known significant effects or critical hazards.
	SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.
	SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Wash 1	No known significant effects or critical hazards.
	SureSelect XT2 Wash 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Carcinogenicity</b>	:	SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.	
		SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.	
		SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.	
		SureSelect Ligation Master Mix	No known significant effects or critical hazards.	
		SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.	
		XT2 Primer Mix	No known significant effects or critical hazards.	
		SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.	
		SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.	
		SureSelect XT2 Wash 1	No known significant effects or critical hazards.	
		SureSelect XT2 Wash 2	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.	
	<b>Mutagenicity</b>	:	SureSelect End Repair Enzyme Mix	No known significant effects or critical hazards.
			SureSelect End Repair Nucleotide Mix	No known significant effects or critical hazards.
			SureSelect dA-Tailing Master Mix	No known significant effects or critical hazards.
			SureSelect Ligation Master Mix	No known significant effects or critical hazards.
		SureSelect Herculanase II Master Mix	No known significant effects or critical hazards.	
		XT2 Primer Mix	No known significant effects or critical hazards.	
		SureSelect Pre-capture Indexed Adaptor Set A01-H12	No known significant effects or critical hazards.	
		SureSelect XT2 Binding Buffer	No known significant effects or critical hazards.	
		SureSelect XT2 Wash 1	No known significant effects or critical hazards.	
		SureSelect XT2 Wash 2	No known significant effects or critical hazards.	
		SureSelect RNase Block	No known significant effects or critical hazards.	
		SureSelect XT2 Hybridization Buffer	No known significant effects or critical hazards.	
		SureSelect XT2 Blocking Mix	No known significant effects or critical hazards.	

**Reproductive toxicity** :

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>SureSelect End Repair Enzyme Mix</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>SureSelect dA-Tailing Master Mix</b> Glycerol	12600	N/A	N/A	N/A	N/A
Polyethylene glycol	28000	N/A	N/A	N/A	N/A

## Section 11. Toxicological information

<b>SureSelect Ligation Master Mix</b>					
Glycerol	12600	N/A	N/A	N/A	N/A
Polyethylene glycol	28000	N/A	N/A	N/A	N/A
<b>SureSelect Herculanase II Master Mix</b>					
Ammonium sulphate	2840	N/A	N/A	N/A	N/A
<b>SureSelect XT2 Binding Buffer</b>					
SureSelect XT2 Binding Buffer	51724.1	N/A	N/A	N/A	N/A
Sodium chloride	3000	N/A	N/A	N/A	N/A
<b>SureSelect XT2 Wash 1</b>					
Sodium dodecyl sulphate	1288	N/A	N/A	N/A	1.5
<b>SureSelect XT2 Wash 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>SureSelect XT2 Hybridization Buffer</b>					
SureSelect XT2 Hybridization Buffer	19857.3	N/A	N/A	N/A	50.7
Sodium chloride	3000	N/A	N/A	N/A	N/A
Sodium dodecyl sulphate	1288	N/A	N/A	N/A	1.5

### Other information

<input checked="" type="checkbox"/> SureSelect End Repair Enzyme Mix	Adverse symptoms may include the following: May cause skin sensitization.
SureSelect End Repair Nucleotide Mix	Not available.
SureSelect dA-Tailing Master Mix	Not available.
SureSelect Ligation Master Mix	Not available.
SureSelect Herculanase II Master Mix	Not available.
XT2 Primer Mix	Not available.
SureSelect Pre-capture Indexed Adaptor Set A01-H12	Not available.
SureSelect XT2 Binding Buffer	Not available.
SureSelect XT2 Wash 1	Not available.
SureSelect XT2 Wash 2	Not available.
SureSelect RNase Block	Adverse symptoms may include the following: May cause skin sensitization.
SureSelect XT2 Hybridization Buffer	Not available.
SureSelect XT2 Blocking Mix	Not available.

## Section 12. Ecological information

### Toxicity

## Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
<b>SureSelect End Repair Enzyme Mix</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
<b>SureSelect dA-Tailing Master Mix</b> Glycerol Polyethylene glycol	Acute LC50 54000 mg/l Fresh water Acute LC50 >1000000 µg/l Fresh water	Fish - Oncorhynchus mykiss Fish - Salmo salar - Parr	96 hours 96 hours
<b>SureSelect Ligation Master Mix</b> Glycerol Polyethylene glycol	Acute LC50 54000 mg/l Fresh water Acute LC50 >1000000 µg/l Fresh water	Fish - Oncorhynchus mykiss Fish - Salmo salar - Parr	96 hours 96 hours
<b>SureSelect Herculanase II Master Mix</b> Ammonium sulphate	Acute LC50 2.6 mg/l Fresh water Acute LC50 14000 µg/l Fresh water Acute LC50 68 µg/l Fresh water Chronic NOEC 7.5 mg/l Marine water Chronic NOEC 143 µg/l Marine water	Crustaceans - Ceriodaphnia dubia - Young Daphnia - Daphnia magna - Young Fish - Oncorhynchus gorbuscha - Alevin Algae - Phaeodactylum tricornutum - Exponential growth phase Fish - Salmo salar - Post-smolt	48 hours 48 hours 96 hours 96 hours 5 weeks
<b>SureSelect XT2 Binding Buffer</b> Sodium chloride	Acute EC50 4.74 g/L Fresh water Acute EC50 519.6 mg/l Fresh water Acute EC50 402.6 mg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1000000 µg/l Fresh water Chronic LC10 781 mg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water	Algae - Chlamydomonas reinhardtii Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Aquatic plants - Lemna minor Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	96 hours 48 hours 48 hours 96 hours 96 hours 3 weeks 96 hours 21 days 8 weeks
<b>SureSelect XT2 Wash 1</b> Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water Acute LC50 900 µg/l Marine water Acute LC50 1400 µg/l Fresh water Acute LC50 590 µg/l Fresh water Chronic NOEC 1.25 mg/l Marine water Chronic NOEC 1 mg/l Fresh water Chronic NOEC 3.2 mg/l Fresh water Chronic NOEC >1357 µg/l Fresh water	Algae - Skeletonema costatum Crustaceans - Artemia salina - Adult Daphnia - Daphnia pulex - Neonate Fish - Cirrhinus mrigala - Larvae Algae - Ulva fasciata - Zoea Crustaceans - Pseudosida ramosa - Neonate Daphnia - Daphnia magna - Neonate Fish - Pimephales promelas	96 hours 48 hours 48 hours 96 hours 96 hours 21 days 21 days 42 days
<b>SureSelect XT2 Wash 2</b>			

## Section 12. Ecological information

Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - Artemia salina - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 590 µg/l Fresh water	Fish - Cirrhinus mrigala - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - Ulva fasciata - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	21 days
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
Chronic NOEC >1357 µg/l Fresh water	Fish - Pimephales promelas	42 days	
<b>SureSelect RNase Block</b>			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
<b>SureSelect XT2 Hybridization Buffer</b>			
Sodium chloride	Acute EC50 4.74 g/L Fresh water	Algae - Chlamydomonas reinhardtii	96 hours
	Acute EC50 519.6 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute EC50 402.6 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute IC50 6.87 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks
	Chronic NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days	
Chronic NOEC 100 mg/l Fresh water	Fish - Gambusia holbrooki - Adult	8 weeks	
Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - Artemia salina - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute LC50 590 µg/l Fresh water	Fish - Cirrhinus mrigala - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - Ulva fasciata - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	21 days
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days
Chronic NOEC >1357 µg/l Fresh water	Fish - Pimephales promelas	42 days	

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>SureSelect End Repair Enzyme Mix</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>SureSelect dA-Tailing Master Mix</b> Glycerol	301D Ready Biodegradability - Closed Bottle	93 % - 30 days	-	-

## Section 12. Ecological information

Product/ingredient name	Test	Biodegradability - Closed Bottle Test	Photolysis	Biodegradability
<b>SureSelect Ligation Master Mix</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>SureSelect RNase Block</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>SureSelect Herculanase II Master Mix</b> Ammonium sulphate	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>SureSelect End Repair Enzyme Mix</b> Glycerol	-1.76	-	low
<b>SureSelect dA-Tailing Master Mix</b> Glycerol Polyethylene glycol	-1.76 -	- 3.2	low low
<b>SureSelect Ligation Master Mix</b> Glycerol Polyethylene glycol	-1.76 -	- 3.2	low low
<b>SureSelect Herculanase II Master Mix</b> Ammonium sulphate	-5.1	-	low
<b>SureSelect XT2 Wash 1</b> Sodium dodecyl sulphate	-2.03	-	low
<b>SureSelect XT2 Wash 2</b> Sodium dodecyl sulphate	-2.03	-	low
<b>SureSelect RNase Block</b> Glycerol	-1.76	-	low
<b>SureSelect XT2 Hybridization Buffer</b> Sodium dodecyl sulphate	-2.03	-	low

### Mobility in soil

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

## Section 12. Ecological information

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

## Section 13. Disposal considerations

**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.

## Section 14. Transport information

**TDG / 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

### Canadian lists

**Canadian NPRI** : None of the components are listed.

**CEPA Toxic substances** : None of the components are listed.

### International regulations

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

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

Not listed.

### Inventory list

**Australia** : Not determined.

**Canada** : Not determined.

**China** : Not determined.

**Europe** : Not determined.

**Japan** : **Japan inventory (ENCS):** Not determined.  
**Japan inventory (ISHL):** Not determined.

**New Zealand** : Not determined.

## Section 15. Regulatory information

<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: Not determined.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.

## Section 16. Other information

### History

<b>Date of issue/Date of revision</b>	: 06/24/2021
<b>Date of previous issue</b>	: 04/03/2019
<b>Version</b>	: 6

### Key to abbreviations

: ATE = Acute Toxicity Estimate
: BCF = Bioconcentration Factor
: GHS = Globally Harmonized System of Classification and Labelling of Chemicals
: HPR = Hazardous Products Regulations
: 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

### Procedure used to derive the classification

Classification	Justification
<b>SureSelect End Repair Enzyme Mix</b> EYE IRRITATION - Category 2A	Calculation method
<b>SureSelect dA-Tailing Master Mix</b> EYE IRRITATION - Category 2A	Calculation method
<b>SureSelect Ligation Master Mix</b> EYE IRRITATION - Category 2A	Calculation method
<b>SureSelect RNase Block</b> EYE IRRITATION - Category 2B	Calculation method
<b>SureSelect XT2 Hybridization Buffer</b> EYE IRRITATION - Category 2A AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method Calculation method

**References** : Not available.

📌 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.