

# SAFETY DATA SHEET



SureSelect Strand Specific RNA Library Prep ILM 1-96 Reactions, Part Number 5500-0135

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

### 1.1 Product identifier

<b>Product name</b>	: SureSelect Strand Specific RNA Library Prep ILM 1-96 Reactions, Part Number 5500-0135
<b>Part no. (chemical kit)</b>	: 5500-0135
<b>Part no.</b>	: RNA Seq Fragmentation Mix 5190-6391
	SureSelect Ligation Master Mix 5190-3807
	RNA Seq Second-strand + End-Repair Enzyme Mix 5190-7764
	RNA Seq dA Tailing Master Mix 5190-6394
	RNA Seq PCR Master Mix 5190-6396
	RNA Seq First Strand Master Mix 5190-6392
	Uracil DNA Glycosylase (UDG) 5190-6397
	SureSelect Oligo Adaptor Mix 5190-6395
	SureSelect Primer 5190-3620
	SureSelect XT 8 bp Indexes 5190-7928
	RNA Seq ILM Reverse PCR Primer 5190-6398
	RNA Seq ILM Post-Capture PCR Primer 5190-6399
	RNA Seq Second-strand + End-Repair Oligo Mix 5190-7765

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

<b>Material uses</b>	: Analytical reagent.
	RNA Seq Fragmentation Mix 2.9 ml (96 reactions)
	SureSelect Ligation Master Mix 0.8 ml (96 reactions)
	RNA Seq Second-strand + End-Repair Enzyme Mix 3 ml (96 reactions)
	RNA Seq dA Tailing Master Mix 3.1 ml (96 reactions)
	RNA Seq PCR Master Mix 6.7 ml (96 reactions)
	RNA Seq First Strand Master Mix 1.1 ml (96 reactions)
	Uracil DNA Glycosylase (UDG) 0.135 ml (96 reactions)
	SureSelect Oligo Adaptor Mix 0.77 ml (96 reactions)
	SureSelect Primer 0.3 ml (16 reactions)
	SureSelect XT 8 bp Indexes 1.44 ml (0.015 ml x 96 reactions)
	RNA Seq ILM Reverse PCR Primer 0.135 ml (96 reactions)
	RNA Seq ILM Post-Capture PCR Primer 0.135 ml (96 reactions)
	RNA Seq Second-strand + End-Repair Oligo Mix 0.7 ml (96 reactions)

### 1.3 Details of the supplier of the safety data sheet

SureSelect Strand Specific RNA Library Prep ILM 1-96 Reactions, Part Number 5500-0135

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

Agilent Technologies Manufacturing GmbH & Co. KG  
Hewlett-Packard-Str. 8  
76337 Waldbronn  
Germany  
0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

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

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

<b>Product definition</b>	:	RNA Seq Fragmentation Mix	Mixture
		SureSelect Ligation Master Mix	Mixture
		RNA Seq Second-strand + End-Repair Enzyme Mix	Mixture
		RNA Seq dA Tailing Master Mix	Mixture
		RNA Seq PCR Master Mix	Mixture
		RNA Seq First Strand Master Mix	Mixture
		Uracil DNA Glycosylase (UDG)	Mixture
		SureSelect Oligo Adaptor Mix	Mixture
		SureSelect Primer	Mixture
		SureSelect XT 8 bp Indexes	Mixture
		RNA Seq ILM Reverse PCR Primer	Mixture
		RNA Seq ILM Post-Capture PCR Primer	Mixture
		RNA Seq Second-strand + End-Repair Oligo Mix	Mixture

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

Not classified.

<b>Ingredients of unknown toxicity</b>	:	SureSelect Ligation Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
		RNA Seq Second-strand + End-Repair Enzyme Mix	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
		RNA Seq dA Tailing Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%

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2/55

## SECTION 2: Hazards identification

		Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
		Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
	RNA Seq PCR Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
	RNA Seq First Strand Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
	Uracil DNA Glycosylase (UDG)	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: > 60%
	RNA Seq Second-strand + End-Repair Oligo Mix	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%
		Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
<b>Ingredients of unknown ecotoxicity</b>	: SureSelect Ligation Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%
	RNA Seq dA Tailing Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%

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

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

### 2.2 Label elements

<b>Signal word</b>	: RNA Seq Fragmentation Mix	No signal word.
	SureSelect Ligation Master Mix	No signal word.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No signal word.
	RNA Seq dA Tailing Master Mix	No signal word.
	RNA Seq PCR Master Mix	No signal word.
	RNA Seq First Strand Master Mix	No signal word.
	Uracil DNA Glycosylase (UDG)	No signal word.
	SureSelect Oligo Adaptor Mix	No signal word.
	SureSelect Primer	No signal word.
	SureSelect XT 8 bp Indexes	No signal word.
	RNA Seq ILM Reverse PCR Primer	No signal word.
	RNA Seq ILM Post-Capture PCR Primer	No signal word.
	RNA Seq Second-strand + End-Repair Oligo Mix	No signal word.
<b>Hazard statements</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.

## SECTION 2: Hazards identification

RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.

### Precautionary statements

#### Prevention

: RNA Seq Fragmentation Mix	Not applicable.
SureSelect Ligation Master Mix	Not applicable.
RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
RNA Seq dA Tailing Master Mix	Not applicable.
RNA Seq PCR Master Mix	Not applicable.
RNA Seq First Strand Master Mix	Not applicable.
Uracil DNA Glycosylase (UDG)	Not applicable.
SureSelect Oligo Adaptor Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect XT 8 bp Indexes	Not applicable.
RNA Seq ILM Reverse PCR Primer	Not applicable.
RNA Seq ILM Post-Capture PCR Primer	Not applicable.
RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.

#### Response

: RNA Seq Fragmentation Mix	Not applicable.
SureSelect Ligation Master Mix	Not applicable.
RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
RNA Seq dA Tailing Master Mix	Not applicable.
RNA Seq PCR Master Mix	Not applicable.
RNA Seq First Strand Master Mix	Not applicable.
Uracil DNA Glycosylase (UDG)	Not applicable.
SureSelect Oligo Adaptor Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect XT 8 bp	Not applicable.

## SECTION 2: Hazards identification

	Indexes	
	RNA Seq ILM Reverse PCR Primer	Not applicable.
	RNA Seq ILM Post-Capture PCR Primer	Not applicable.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.
<b>Storage</b>	: RNA Seq Fragmentation Mix	Not applicable.
	SureSelect Ligation Master Mix	Not applicable.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
	RNA Seq dA Tailing Master Mix	Not applicable.
	RNA Seq PCR Master Mix	Not applicable.
	RNA Seq First Strand Master Mix	Not applicable.
	Uracil DNA Glycosylase (UDG)	Not applicable.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect XT 8 bp Indexes	Not applicable.
	RNA Seq ILM Reverse PCR Primer	Not applicable.
	RNA Seq ILM Post-Capture PCR Primer	Not applicable.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.
<b>Disposal</b>	: RNA Seq Fragmentation Mix	Not applicable.
	SureSelect Ligation Master Mix	Not applicable.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
	RNA Seq dA Tailing Master Mix	Not applicable.
	RNA Seq PCR Master Mix	Not applicable.
	RNA Seq First Strand Master Mix	Not applicable.
	Uracil DNA Glycosylase (UDG)	Not applicable.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect XT 8 bp Indexes	Not applicable.
	RNA Seq ILM Reverse PCR Primer	Not applicable.
	RNA Seq ILM Post-Capture PCR Primer	Not applicable.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.

## SECTION 2: Hazards identification

<b>Hazardous ingredients</b>	:	SureSelect Ligation Master Mix	Not applicable.
		RNA Seq dA Tailing Master Mix	Not applicable.
<b>Supplemental label elements</b>	:	RNA Seq Fragmentation Mix	Not applicable.
		SureSelect Ligation Master Mix	Safety data sheet available on request.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
		RNA Seq dA Tailing Master Mix	Safety data sheet available on request.
		RNA Seq PCR Master Mix	Not applicable.
		RNA Seq First Strand Master Mix	Not applicable.
		Uracil DNA Glycosylase (UDG)	Not applicable.
		SureSelect Oligo Adaptor Mix	Not applicable.
		SureSelect Primer	Not applicable.
		SureSelect XT 8 bp Indexes	Not applicable.
		RNA Seq ILM Reverse PCR Primer	Not applicable.
		RNA Seq ILM Post-Capture PCR Primer	Not applicable.
		RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	:	RNA Seq Fragmentation Mix	Not applicable.
		SureSelect Ligation Master Mix	Not applicable.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
		RNA Seq dA Tailing Master Mix	Not applicable.
		RNA Seq PCR Master Mix	Not applicable.
		RNA Seq First Strand Master Mix	Not applicable.
		Uracil DNA Glycosylase (UDG)	Not applicable.
		SureSelect Oligo Adaptor Mix	Not applicable.
		SureSelect Primer	Not applicable.
		SureSelect XT 8 bp Indexes	Not applicable.
		RNA Seq ILM Reverse PCR Primer	Not applicable.
		RNA Seq ILM Post-Capture PCR Primer	Not applicable.
		RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.

### Special packaging requirements

## SECTION 2: Hazards identification

<b>Tactile warning of danger</b>	:	RNA Seq Fragmentation Mix	Not applicable.
		SureSelect Ligation Master Mix	Not applicable.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
		RNA Seq dA Tailing Master Mix	Not applicable.
		RNA Seq PCR Master Mix	Not applicable.
		RNA Seq First Strand Master Mix	Not applicable.
		Uracil DNA Glycosylase (UDG)	Not applicable.
		SureSelect Oligo Adaptor Mix	Not applicable.
		SureSelect Primer	Not applicable.
		SureSelect XT 8 bp Indexes	Not applicable.
		RNA Seq ILM Reverse PCR Primer	Not applicable.
		RNA Seq ILM Post-Capture PCR Primer	Not applicable.
		RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.

### 2.3 Other hazards

<b>Other hazards which do not result in classification</b>	:	RNA Seq Fragmentation Mix	None known.
		SureSelect Ligation Master Mix	None known.
		RNA Seq Second-strand + End-Repair Enzyme Mix	None known.
		RNA Seq dA Tailing Master Mix	None known.
		RNA Seq PCR Master Mix	None known.
		RNA Seq First Strand Master Mix	None known.
		Uracil DNA Glycosylase (UDG)	None known.
		SureSelect Oligo Adaptor Mix	None known.
		SureSelect Primer	None known.
		SureSelect XT 8 bp Indexes	None known.
		RNA Seq ILM Reverse PCR Primer	None known.
		RNA Seq ILM Post-Capture PCR Primer	None known.
		RNA Seq Second-strand + End-Repair Oligo Mix	None known.

## SECTION 3: Composition/information on ingredients

<b>3.1 Substances</b>	:	RNA Seq Fragmentation Mix	Mixture
		SureSelect Ligation Master Mix	Mixture
		RNA Seq Second-strand + End- Repair Enzyme Mix	Mixture
		RNA Seq dA Tailing Master Mix	Mixture
		RNA Seq PCR Master Mix	Mixture
		RNA Seq First Strand Master Mix	Mixture
		Uracil DNA Glycosylase (UDG)	Mixture
		SureSelect Oligo Adaptor Mix	Mixture
		SureSelect Primer	Mixture
		SureSelect XT 8 bp Indexes	Mixture
		RNA Seq ILM Reverse PCR Primer	Mixture
		RNA Seq ILM Post-Capture PCR Primer	Mixture
		RNA Seq Second-strand + End- Repair Oligo Mix	Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
<b>SureSelect Ligation Master Mix</b> Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥25 - ≤50	Not classified.	[2]
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
<b>RNA Seq Second-strand + End- Repair Enzyme Mix</b> Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	[2]
<b>RNA Seq dA Tailing Master Mix</b> Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	[2]
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
<b>RNA Seq PCR Master Mix</b> Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≤10	Not classified.	[2]
<b>RNA Seq First Strand Master Mix</b> Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	[2]
<b>Uracil DNA Glycosylase (UDG)</b> Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
<b>RNA Seq Second-strand + End- Repair Oligo Mix</b> Glycerol	REACH #: Annex V EC: 200-289-5	≥10 - ≤25	Not classified.	[2]



### SECTION 3: Composition/information on ingredients

	CAS: 56-81-5		<b>See Section 16 for the full text of the H statements declared above.</b>
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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>Eye contact</b>	: <input checked="" type="checkbox"/> RNA Seq Fragmentation 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 Ligation 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.
	RNA Seq Second-strand + 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. Get medical attention if irritation occurs.
	RNA Seq 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. Get medical attention if irritation occurs.
	RNA Seq PCR 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.
	RNA Seq First Strand 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.
	Uracil DNA Glycosylase (UDG)	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 Oligo Adaptor 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 Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect XT 8 bp Indexes	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.
	RNA Seq ILM Reverse PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq ILM Post-Capture PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq Second-strand + End-Repair Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

## SECTION 4: First aid measures

### Inhalation

: RNA Seq Fragmentation Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Ligation Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
RNA Seq Second-strand + End-Repair Enzyme Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
RNA Seq dA Tailing Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
RNA Seq PCR Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
RNA Seq First Strand Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Uracil DNA Glycosylase (UDG)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Oligo Adaptor Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT 8 bp Indexes	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
RNA Seq ILM Reverse PCR Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
RNA Seq ILM Post-Capture PCR Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
RNA Seq Second-strand + End-Repair Oligo Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

### Skin contact

: RNA Seq Fragmentation Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Ligation Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
RNA Seq Second-strand + End-Repair Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
RNA Seq dA Tailing Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
RNA Seq PCR Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
RNA Seq First Strand	Flush contaminated skin with plenty of water. Remove

## SECTION 4: First aid measures

	Master Mix	contaminated clothing and shoes. Get medical attention if symptoms occur.
	Uracil DNA Glycosylase (UDG)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Oligo Adaptor Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT 8 bp Indexes	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq ILM Reverse PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq ILM Post-Capture PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq Second-strand + End-Repair Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: RNA Seq Fragmentation 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 Ligation 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.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	RNA Seq dA Tailing 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.
	RNA Seq PCR 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.
	RNA Seq First Strand 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.
	Uracil DNA Glycosylase (UDG)	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If

## SECTION 4: First aid measures

	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 Oligo Adaptor 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 Primer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT 8 bp Indexes	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.
RNA Seq ILM Reverse PCR Primer	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.
RNA Seq ILM Post-Capture PCR Primer	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.
RNA Seq Second-strand + End-Repair Oligo Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b>Protection of first-aiders</b> : RNA Seq Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Ligation Master Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq Second-strand + End-Repair Enzyme Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq dA Tailing Master Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq PCR Master Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq First Strand Master Mix	No action shall be taken involving any personal risk or without suitable training.
Uracil DNA Glycosylase (UDG)	No action shall be taken involving any personal risk or without suitable training.
SureSelect Oligo Adaptor Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT 8 bp Indexes	No action shall be taken involving any personal risk or without suitable training.
RNA Seq ILM Reverse	No action shall be taken involving any personal risk or

## SECTION 4: First aid measures

PCR Primer	without suitable training.
RNA Seq ILM Post-Capture PCR Primer	No action shall be taken involving any personal risk or without suitable training.
RNA Seq Second-strand + End-Repair Oligo Mix	No action shall be taken involving any personal risk or without suitable training.

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

#### Potential acute health effects

<b>Eye contact</b>	:	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.		
		SureSelect Ligation Master Mix	No known significant effects or critical hazards.		
		RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.		
		RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.		
		RNA Seq PCR Master Mix	No known significant effects or critical hazards.		
		RNA Seq First Strand Master Mix	No known significant effects or critical hazards.		
		Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.		
		SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.		
		SureSelect Primer	No known significant effects or critical hazards.		
		SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.		
		RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.		
		RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.		
		RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.		
		<b>Inhalation</b>	:	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
				SureSelect Ligation Master Mix	No known significant effects or critical hazards.
				RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
				RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
				RNA Seq PCR Master Mix	No known significant effects or critical hazards.
				RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
				Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
				SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
				SureSelect Primer	No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.				
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.				
RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.				
RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.				

## SECTION 4: First aid measures

<b>Skin contact</b>	:	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.		
		SureSelect Ligation Master Mix	No known significant effects or critical hazards.		
		RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.		
		RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.		
		RNA Seq PCR Master Mix	No known significant effects or critical hazards.		
		RNA Seq First Strand Master Mix	No known significant effects or critical hazards.		
		Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.		
		SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.		
		SureSelect Primer	No known significant effects or critical hazards.		
		SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.		
		RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.		
		RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.		
		RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.		
		<b>Ingestion</b>	:	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
				SureSelect Ligation Master Mix	No known significant effects or critical hazards.
				RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
				RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.				
RNA Seq First Strand Master Mix	No known significant effects or critical hazards.				
Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.				
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.				
SureSelect Primer	No known significant effects or critical hazards.				
SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.				
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.				
RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.				
RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.				

### Over-exposure signs/symptoms

<b>Eye contact</b>	:	RNA Seq Fragmentation Mix	No specific data.
		SureSelect Ligation Master Mix	No specific data.
		RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
		RNA Seq dA Tailing	No specific data.

## SECTION 4: First aid measures

	Master Mix	
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-Capture PCR Primer	No specific data.
	RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.
<b>Inhalation</b>	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-Capture PCR Primer	No specific data.
	RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.
<b>Skin contact</b>	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.

## SECTION 4: First aid measures

	SureSelect Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-Capture PCR Primer	No specific data.
	RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.
<b>Ingestion</b>	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-Capture PCR Primer	No specific data.
	RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	: RNA Seq Fragmentation Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	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 surveillance for 48 hours.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	RNA Seq 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.
	RNA Seq PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	RNA Seq First Strand Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Uracil DNA Glycosylase (UDG)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Oligo Adaptor Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect XT 8 bp Indexes	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.



## SECTION 4: First aid measures

<b>Specific treatments</b>	:	RNA Seq ILM Reverse PCR Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RNA Seq ILM Post-Capture PCR Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RNA Seq Second-strand + End-Repair Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RNA Seq Fragmentation Mix	No specific treatment.
		SureSelect Ligation Master Mix	No specific treatment.
		RNA Seq Second-strand + End-Repair Enzyme Mix	No specific treatment.
		RNA Seq dA Tailing Master Mix	No specific treatment.
		RNA Seq PCR Master Mix	No specific treatment.
		RNA Seq First Strand Master Mix	No specific treatment.
		Uracil DNA Glycosylase (UDG)	No specific treatment.
		SureSelect Oligo Adaptor Mix	No specific treatment.
		SureSelect Primer	No specific treatment.
		SureSelect XT 8 bp Indexes	No specific treatment.
		RNA Seq ILM Reverse PCR Primer	No specific treatment.
		RNA Seq ILM Post-Capture PCR Primer	No specific treatment.
		RNA Seq Second-strand + End-Repair Oligo Mix	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	:	RNA Seq Fragmentation Mix	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect Ligation Master Mix	Use an extinguishing agent suitable for the surrounding fire.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.
		RNA Seq dA Tailing Master Mix	Use an extinguishing agent suitable for the surrounding fire.
		RNA Seq PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire.
		RNA Seq First Strand Master Mix	Use an extinguishing agent suitable for the surrounding fire.
		Uracil DNA Glycosylase (UDG)	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect Oligo Adaptor Mix	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect Primer	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect XT 8 bp Indexes	Use an extinguishing agent suitable for the surrounding fire.
		RNA Seq ILM Reverse PCR Primer	Use an extinguishing agent suitable for the surrounding fire.
		RNA Seq ILM Post-Capture PCR Primer	Use an extinguishing agent suitable for the surrounding fire.
		RNA Seq Second-strand + End-Repair Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.

## SECTION 5: Firefighting measures

<b>Unsuitable extinguishing media</b>	<input checked="" type="checkbox"/> RNA Seq Fragmentation Mix	None known.
	SureSelect Ligation Master Mix	None known.
	RNA Seq Second-strand + End-Repair Enzyme Mix	None known.
	RNA Seq dA Tailing Master Mix	None known.
	RNA Seq PCR Master Mix	None known.
	RNA Seq First Strand Master Mix	None known.
	Uracil DNA Glycosylase (UDG)	None known.
	SureSelect Oligo Adaptor Mix	None known.
	SureSelect Primer	None known.
	SureSelect XT 8 bp Indexes	None known.
	RNA Seq ILM Reverse PCR Primer	None known.
	RNA Seq ILM Post-Capture PCR Primer	None known.
	RNA Seq Second-strand + End-Repair Oligo Mix	None known.

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

<b>Hazards from the substance or mixture</b>	<input checked="" type="checkbox"/> RNA Seq Fragmentation 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.
	RNA Seq Second-strand + End-Repair Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	RNA Seq dA Tailing Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	RNA Seq PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	RNA Seq First Strand Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Uracil DNA Glycosylase (UDG)	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Oligo Adaptor Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect XT 8 bp Indexes	In a fire or if heated, a pressure increase will occur and the container may burst.
	RNA Seq ILM Reverse PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	RNA Seq ILM Post-Capture PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	RNA Seq Second-strand + End-Repair Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.

## SECTION 5: Firefighting measures

<b>Hazardous combustion products</b>	:	RNA Seq Fragmentation Mix	No specific data.
		SureSelect Ligation Master Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
		RNA Seq Second-strand + End-Repair Enzyme Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
		RNA Seq dA Tailing Master Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
		RNA Seq PCR Master Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide
		RNA Seq First Strand Master Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide
		Uracil DNA Glycosylase (UDG)	Decomposition products may include the following materials:  carbon dioxide carbon monoxide
		SureSelect Oligo Adaptor Mix	No specific data.
		SureSelect Primer	No specific data.
		SureSelect XT 8 bp Indexes	No specific data.
		RNA Seq ILM Reverse PCR Primer	No specific data.
		RNA Seq ILM Post-Capture PCR Primer	No specific data.
		RNA Seq Second-strand + End-Repair Oligo Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides

### 5.3 Advice for firefighters

<b>Special precautions for fire-fighters</b>	:	RNA Seq Fragmentation 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 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.
		RNA Seq Second-strand + 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.
		RNA Seq 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

## SECTION 5: Firefighting measures

RNA Seq PCR Master Mix	taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
RNA Seq First Strand 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.
Uracil DNA Glycosylase (UDG)	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 Oligo Adaptor 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 Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect XT 8 bp Indexes	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.
RNA Seq ILM Reverse PCR Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
RNA Seq ILM Post-Capture PCR Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
RNA Seq Second-strand + End-Repair Oligo Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b> : RNA Seq Fragmentation Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RNA Seq Second-strand + 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RNA Seq 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RNA Seq PCR 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RNA Seq First Strand 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. Clothing for

## SECTION 5: Firefighting measures

	fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Uracil DNA Glycosylase (UDG)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Oligo Adaptor Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect XT 8 bp Indexes	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RNA Seq ILM Reverse PCR Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RNA Seq ILM Post-Capture PCR Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RNA Seq Second-strand + End-Repair Oligo Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

<b>For non-emergency personnel</b>	:	RNA Seq Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
		SureSelect 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 through spilt material. Put on appropriate personal protective equipment.
		RNA Seq Second-strand + 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.

## SECTION 6: Accidental release measures

	Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
RNA Seq 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 spilt material. Put on appropriate personal protective equipment.
RNA Seq PCR 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 spilt material. Put on appropriate personal protective equipment.
RNA Seq First Strand 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 spilt material. Put on appropriate personal protective equipment.
Uracil DNA Glycosylase (UDG)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Oligo Adaptor Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect XT 8 bp Indexes	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
RNA Seq ILM Reverse PCR Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
RNA Seq ILM Post-Capture PCR Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
RNA Seq Second-strand + End-Repair Oligo Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
RNA Seq Fragmentation Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Ligation Master Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq Second-strand + End-Repair Enzyme	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and

**For emergency responders**

: RNA Seq Fragmentation Mix  
 SureSelect Ligation Master Mix  
 RNA Seq Second-strand + End-Repair Enzyme

## SECTION 6: Accidental release measures

Mix	unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq dA Tailing Master Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq PCR Master Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq First Strand Master Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Uracil DNA Glycosylase (UDG)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Oligo Adaptor Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect XT 8 bp Indexes	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq ILM Reverse PCR Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq ILM Post-Capture PCR Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq Second-strand + End-Repair Oligo Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

RNA Seq Fragmentation Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Ligation Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Second-strand + End-Repair Enzyme Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq dA Tailing Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq PCR Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant

## SECTION 6: Accidental release measures

	authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq First Strand Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Uracil DNA Glycosylase (UDG)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Oligo Adaptor Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT 8 bp Indexes	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq ILM Reverse PCR Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq ILM Post-Capture PCR Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Second-strand + End-Repair Oligo Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

<b>Methods for cleaning up</b>	:	RNA Seq Fragmentation 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.
		RNA Seq Second-strand + 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.
		RNA Seq 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.
		RNA Seq PCR 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.



## SECTION 6: Accidental release measures

RNA Seq First Strand 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.
Uracil DNA Glycosylase (UDG)	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 Oligo Adaptor 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 Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT 8 bp Indexes	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.
RNA Seq ILM Reverse PCR Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq ILM Post-Capture PCR Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq Second-strand + End-Repair Oligo Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

<b>Protective measures</b>	<ul style="list-style-type: none"> <li>RNA Seq Fragmentation Mix</li> <li>SureSelect Ligation Master Mix</li> <li>RNA Seq Second-strand + End-Repair Enzyme Mix</li> <li>RNA Seq dA Tailing Master Mix</li> <li>RNA Seq PCR Master Mix</li> <li>RNA Seq First Strand Master Mix</li> <li>Uracil DNA Glycosylase</li> </ul>	<ul style="list-style-type: none"> <li>Put on appropriate personal protective equipment (see Section 8).</li> <li>Put on appropriate personal protective equipment (see Section 8).</li> <li>Put on appropriate personal protective equipment (see Section 8).</li> <li>Put on appropriate personal protective equipment (see Section 8).</li> <li>Put on appropriate personal protective equipment (see Section 8).</li> <li>Put on appropriate personal protective equipment (see Section 8).</li> <li>Put on appropriate personal protective equipment (see Section 8).</li> </ul>
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## SECTION 7: Handling and storage

### Advice on general occupational hygiene

(UDG)	Section 8).
SureSelect Oligo Adaptor Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect Primer	Put on appropriate personal protective equipment (see Section 8).
SureSelect XT 8 bp Indexes	Put on appropriate personal protective equipment (see Section 8).
RNA Seq ILM Reverse PCR Primer	Put on appropriate personal protective equipment (see Section 8).
RNA Seq ILM Post-Capture PCR Primer	Put on appropriate personal protective equipment (see Section 8).
RNA Seq Second-strand + End-Repair Oligo Mix	Put on appropriate personal protective equipment (see Section 8).
RNA Seq Fragmentation 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.
RNA Seq Second-strand + 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.
RNA Seq 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.
RNA Seq PCR 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.
RNA Seq First Strand 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.
Uracil DNA Glycosylase (UDG)	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 Oligo Adaptor 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

SureSelect Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect XT 8 bp Indexes	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.
RNA Seq ILM Reverse PCR Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq ILM Post-Capture PCR Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq Second-strand + End-Repair Oligo Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

#### Storage

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

## SECTION 7: Handling and storage

RNA Seq dA Tailing Master Mix	before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
RNA Seq PCR 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
RNA Seq First Strand 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Uracil DNA Glycosylase (UDG)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Oligo Adaptor Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect XT 8 bp	Store in accordance with local regulations. Store in original

## SECTION 7: Handling and storage

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

### 7.3 Specific end use(s)

#### Recommendations

RNA Seq Fragmentation Mix	Industrial applications, Professional applications.
SureSelect Ligation Master Mix	Industrial applications, Professional applications.
RNA Seq Second-strand + End-Repair Enzyme Mix	Industrial applications, Professional applications.
RNA Seq dA Tailing Master Mix	Industrial applications, Professional applications.
RNA Seq PCR Master Mix	Industrial applications, Professional applications.
RNA Seq First Strand Master Mix	Industrial applications, Professional applications.
Uracil DNA Glycosylase (UDG)	Industrial applications, Professional applications.
SureSelect Oligo Adaptor Mix	Industrial applications, Professional applications.
SureSelect Primer	Industrial applications, Professional applications.
SureSelect XT 8 bp Indexes	Industrial applications, Professional applications.

## SECTION 7: Handling and storage

<b>Industrial sector specific solutions</b>	RNA Seq ILM Reverse PCR Primer	Industrial applications, Professional applications.
	RNA Seq ILM Post-Capture PCR Primer	Industrial applications, Professional applications.
	RNA Seq Second-strand + End-Repair Oligo Mix	Industrial applications, Professional applications.
	RNA Seq Fragmentation Mix	Not applicable.
	SureSelect Ligation Master Mix	Not applicable.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
	RNA Seq dA Tailing Master Mix	Not applicable.
	RNA Seq PCR Master Mix	Not applicable.
	RNA Seq First Strand Master Mix	Not applicable.
	Uracil DNA Glycosylase (UDG)	Not applicable.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect XT 8 bp Indexes	Not applicable.
	RNA Seq ILM Reverse PCR Primer	Not applicable.
	RNA Seq ILM Post-Capture PCR Primer	Not applicable.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
<b>SureSelect Ligation Master Mix</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>RNA Seq Second-strand + End-Repair Enzyme Mix</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>RNA Seq dA Tailing Master Mix</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>RNA Seq PCR Master Mix</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>RNA Seq First Strand Master Mix</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>Uracil DNA Glycosylase (UDG)</b>	

## SECTION 8: Exposure controls/personal protection

Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>RNA Seq Second-strand + End-Repair Oligo Mix</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

No DNELs/DMELs available.

### PNECs

No PNECs available

## 8.2 Exposure controls

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

### Individual protection measures

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

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

### Skin protection

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

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

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

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

## SECTION 8: Exposure controls/personal protection

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

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	:	RNA Seq	Liquid.	
		Fragmentation Mix		
		SureSelect Ligation Master Mix	Liquid.	
		RNA Seq Second-strand + End-Repair Enzyme Mix	Liquid.	
		RNA Seq dA Tailing Master Mix	Liquid.	
		RNA Seq PCR Master Mix	Liquid.	
		RNA Seq First Strand Master Mix	Liquid.	
		Uracil DNA Glycosylase (UDG)	Liquid.	
		SureSelect Oligo Adaptor Mix	Liquid.	
		SureSelect Primer	Liquid.	
		SureSelect XT 8 bp Indexes	Liquid.	
		RNA Seq ILM Reverse PCR Primer	Liquid.	
		RNA Seq ILM Post-Capture PCR Primer	Liquid.	
		RNA Seq Second-strand + End-Repair Oligo Mix	Liquid.	
	<b>Colour</b>	:	RNA Seq	Not available.
			Fragmentation Mix	
			SureSelect Ligation Master Mix	Not available.
			RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
			RNA Seq dA Tailing Master Mix	Not available.
			RNA Seq PCR Master Mix	Not available.
		RNA Seq First Strand Master Mix	Not available.	
		Uracil DNA Glycosylase (UDG)	Not available.	
		SureSelect Oligo Adaptor Mix	Not available.	
		SureSelect Primer	Not available.	
		SureSelect XT 8 bp Indexes	Not available.	
		RNA Seq ILM Reverse PCR Primer	Not available.	
		RNA Seq ILM Post-Capture PCR Primer	Not available.	
	RNA Seq Second-	Not available.		



## SECTION 9: Physical and chemical properties

		strand + End-Repair Oligo Mix	
<b>Odour</b>	:	RNA Seq	Not available.
		Fragmentation Mix	
		SureSelect Ligation Master Mix	Not available.
		RNA Seq Second- strand + End-Repair Enzyme Mix	Not available.
		RNA Seq dA Tailing Master Mix	Not available.
		RNA Seq PCR Master Mix	Not available.
		RNA Seq First Strand Master Mix	Not available.
		Uracil DNA Glycosylase (UDG)	Not available.
		SureSelect Oligo Adaptor Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect XT 8 bp Indexes	Not available.
		RNA Seq ILM Reverse PCR Primer	Not available.
		RNA Seq ILM Post- Capture PCR Primer	Not available.
		RNA Seq Second- strand + End-Repair Oligo Mix	Not available.
<b>Odour threshold</b>	:	RNA Seq	Not available.
		Fragmentation Mix	
		SureSelect Ligation Master Mix	Not available.
		RNA Seq Second- strand + End-Repair Enzyme Mix	Not available.
		RNA Seq dA Tailing Master Mix	Not available.
		RNA Seq PCR Master Mix	Not available.
		RNA Seq First Strand Master Mix	Not available.
		Uracil DNA Glycosylase (UDG)	Not available.
		SureSelect Oligo Adaptor Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect XT 8 bp Indexes	Not available.
		RNA Seq ILM Reverse PCR Primer	Not available.
		RNA Seq ILM Post- Capture PCR Primer	Not available.
		RNA Seq Second- strand + End-Repair Oligo Mix	Not available.

## SECTION 9: Physical and chemical properties

<b>pH</b>	:	RNA Seq	8.3
		Fragmentation Mix	
		SureSelect Ligation	7.5
		Master Mix	
		RNA Seq Second-strand + End-Repair	8.3
		Enzyme Mix	
		RNA Seq dA Tailing	7.5
		Master Mix	
		RNA Seq PCR Master Mix	8.8
		RNA Seq First Strand	8.3
		Master Mix	
		Uracil DNA Glycosylase (UDG)	Not available.
		SureSelect Oligo	Not available.
		Adaptor Mix	
		SureSelect Primer	7.5
		SureSelect XT 8 bp Indexes	7
		RNA Seq ILM Reverse PCR Primer	7
		RNA Seq ILM Post-Capture PCR Primer	7
		RNA Seq Second-strand + End-Repair	7.5
		Oligo Mix	
<b>Melting point/freezing point</b>	:	RNA Seq	0°C
		Fragmentation Mix	
		SureSelect Ligation	Not available.
		Master Mix	
		RNA Seq Second-strand + End-Repair	Not available.
		Enzyme Mix	
		RNA Seq dA Tailing	Not available.
		Master Mix	
		RNA Seq PCR Master Mix	Not available.
		RNA Seq First Strand	Not available.
		Master Mix	
		Uracil DNA Glycosylase (UDG)	Not available.
		SureSelect Oligo	0°C
		Adaptor Mix	
		SureSelect Primer	0°C
		SureSelect XT 8 bp Indexes	0°C
		RNA Seq ILM Reverse PCR Primer	0°C
		RNA Seq ILM Post-Capture PCR Primer	0°C
		RNA Seq Second-strand + End-Repair	Not available.
		Oligo Mix	
<b>Initial boiling point and boiling range</b>	:	RNA Seq	100°C
		Fragmentation Mix	
		SureSelect Ligation	Not available.
		Master Mix	
		RNA Seq Second-strand + End-Repair	Not available.
Enzyme Mix			

## SECTION 9: Physical and chemical properties

	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	100°C
	SureSelect Primer	100°C
	SureSelect XT 8 bp Indexes	100°C
	RNA Seq ILM Reverse PCR Primer	100°C
	RNA Seq ILM Post-Capture PCR Primer	100°C
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Flash point</b>	: <input checked="" type="checkbox"/> RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-Capture PCR Primer	Not available.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Evaporation rate</b>	: <input checked="" type="checkbox"/> RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase	Not available.

**SECTION 9: Physical and chemical properties**

	(UDG)	
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-Capture PCR Primer	Not available.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Flammability (solid, gas)</b>	: RNA Seq Fragmentation Mix	Not applicable.
	SureSelect Ligation Master Mix	Not applicable.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
	RNA Seq dA Tailing Master Mix	Not applicable.
	RNA Seq PCR Master Mix	Not applicable.
	RNA Seq First Strand Master Mix	Not applicable.
	Uracil DNA Glycosylase (UDG)	Not applicable.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect XT 8 bp Indexes	Not applicable.
	RNA Seq ILM Reverse PCR Primer	Not applicable.
	RNA Seq ILM Post-Capture PCR Primer	Not applicable.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
	RNA Seq ILM Reverse	Not available.

## SECTION 9: Physical and chemical properties

		PCR Primer	
		RNA Seq ILM Post-Capture PCR Primer	Not available.
		RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Vapour pressure</b>	:	RNA Seq Fragmentation Mix	Not available.
		SureSelect Ligation Master Mix	Not available.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
		RNA Seq dA Tailing Master Mix	Not available.
		RNA Seq PCR Master Mix	Not available.
		RNA Seq First Strand Master Mix	Not available.
		Uracil DNA Glycosylase (UDG)	Not available.
		SureSelect Oligo Adaptor Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect XT 8 bp Indexes	Not available.
		RNA Seq ILM Reverse PCR Primer	Not available.
		RNA Seq ILM Post-Capture PCR Primer	Not available.
		RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Vapour density</b>	:	RNA Seq Fragmentation Mix	Not available.
		SureSelect Ligation Master Mix	Not available.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
		RNA Seq dA Tailing Master Mix	Not available.
		RNA Seq PCR Master Mix	Not available.
		RNA Seq First Strand Master Mix	Not available.
		Uracil DNA Glycosylase (UDG)	Not available.
		SureSelect Oligo Adaptor Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect XT 8 bp Indexes	Not available.
		RNA Seq ILM Reverse PCR Primer	Not available.
		RNA Seq ILM Post-Capture PCR Primer	Not available.
		RNA Seq Second-strand + End-Repair Oligo Mix	Not available.

## SECTION 9: Physical and chemical properties

<b>Relative density</b>	:	RNA Seq Fragmentation Mix	Not available.		
		SureSelect Ligation Master Mix	Not available.		
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.		
		RNA Seq dA Tailing Master Mix	Not available.		
		RNA Seq PCR Master Mix	Not available.		
		RNA Seq First Strand Master Mix	Not available.		
		Uracil DNA Glycosylase (UDG)	Not available.		
		SureSelect Oligo Adaptor Mix	Not available.		
		SureSelect Primer	Not available.		
		SureSelect XT 8 bp Indexes	Not available.		
		RNA Seq ILM Reverse PCR Primer	Not available.		
		RNA Seq ILM Post-Capture PCR Primer	Not available.		
		RNA Seq Second-strand + End-Repair Oligo Mix	Not available.		
		<b>Solubility(ies)</b>	:	RNA Seq Fragmentation Mix	Easily soluble in the following materials: cold water and hot water.
				SureSelect Ligation Master Mix	Soluble in the following materials: cold water and hot water.
				RNA Seq Second-strand + End-Repair Enzyme Mix	Soluble in the following materials: cold water and hot water.
				RNA Seq dA Tailing Master Mix	Soluble in the following materials: cold water and hot water.
				RNA Seq PCR Master Mix	Soluble in the following materials: cold water and hot water.
				RNA Seq First Strand Master Mix	Soluble in the following materials: cold water and hot water.
				Uracil DNA Glycosylase (UDG)	Soluble in the following materials: cold water and hot water.
SureSelect Oligo Adaptor Mix	Easily soluble in the following materials: cold water and hot water.				
SureSelect Primer	Easily soluble in the following materials: cold water and hot water.				
SureSelect XT 8 bp Indexes	Easily soluble in the following materials: cold water and hot water.				
RNA Seq ILM Reverse PCR Primer	Easily soluble in the following materials: cold water and hot water.				
RNA Seq ILM Post-Capture PCR Primer	Easily soluble in the following materials: cold water and hot water.				
RNA Seq Second-strand + End-Repair Oligo Mix	Soluble in the following materials: cold water and hot water.				

## SECTION 9: Physical and chemical properties

<b>Partition coefficient: n-octanol/water</b>	:	RNA Seq	Not available.		
		Fragmentation Mix			
		SureSelect Ligation Master Mix	Not available.		
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.		
		RNA Seq dA Tailing Master Mix	Not available.		
		RNA Seq PCR Master Mix	Not available.		
		RNA Seq First Strand Master Mix	Not available.		
		Uracil DNA Glycosylase (UDG)	Not available.		
		SureSelect Oligo Adaptor Mix	Not available.		
		SureSelect Primer	Not available.		
		SureSelect XT 8 bp Indexes	Not available.		
		RNA Seq ILM Reverse PCR Primer	Not available.		
		RNA Seq ILM Post-Capture PCR Primer	Not available.		
		RNA Seq Second-strand + End-Repair Oligo Mix	Not available.		
		<b>Auto-ignition temperature</b>	:	RNA Seq	Not available.
				Fragmentation Mix	
				SureSelect Ligation Master Mix	Not available.
				RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
				RNA Seq dA Tailing Master Mix	Not available.
				RNA Seq PCR Master Mix	Not available.
RNA Seq First Strand Master Mix	Not available.				
Uracil DNA Glycosylase (UDG)	Not available.				
SureSelect Oligo Adaptor Mix	Not available.				
SureSelect Primer	Not available.				
SureSelect XT 8 bp Indexes	Not available.				
RNA Seq ILM Reverse PCR Primer	Not available.				
RNA Seq ILM Post-Capture PCR Primer	Not available.				
RNA Seq Second-strand + End-Repair Oligo Mix	Not available.				
<b>Decomposition temperature</b>	:			RNA Seq	Not available.
				Fragmentation Mix	
				SureSelect Ligation Master Mix	Not available.
				RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.

## SECTION 9: Physical and chemical properties

	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-Capture PCR Primer	Not available.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Viscosity</b>	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-Capture PCR Primer	Not available.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Explosive properties</b>	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase	Not available.



## SECTION 9: Physical and chemical properties

	(UDG)	
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-Capture PCR Primer	Not available.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
<b>Oxidising properties</b>	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-Capture PCR Primer	Not available.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: RNA Seq Fragmentation 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.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.
	RNA Seq dA Tailing Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	RNA Seq PCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	RNA Seq First Strand Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	Uracil DNA Glycosylase (UDG)	No specific test data related to reactivity available for this product or its ingredients.

## SECTION 10: Stability and reactivity

SureSelect Oligo	No specific test data related to reactivity available for this product or its ingredients.
Adaptor Mix	
SureSelect Primer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT 8 bp Indexes	No specific test data related to reactivity available for this product or its ingredients.
RNA Seq ILM Reverse PCR Primer	No specific test data related to reactivity available for this product or its ingredients.
RNA Seq ILM Post-Capture PCR Primer	No specific test data related to reactivity available for this product or its ingredients.
RNA Seq Second-strand + End-Repair Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.

<b>10.2 Chemical stability</b>	:	<input checked="" type="checkbox"/> RNA Seq Fragmentation Mix	The product is stable.
		SureSelect Ligation Master Mix	The product is stable.
		RNA Seq Second-strand + End-Repair Enzyme Mix	The product is stable.
		RNA Seq dA Tailing Master Mix	The product is stable.
		RNA Seq PCR Master Mix	The product is stable.
		RNA Seq First Strand Master Mix	The product is stable.
		Uracil DNA Glycosylase (UDG)	The product is stable.
		SureSelect Oligo Adaptor Mix	The product is stable.
		SureSelect Primer	The product is stable.
		SureSelect XT 8 bp Indexes	The product is stable.
		RNA Seq ILM Reverse PCR Primer	The product is stable.
		RNA Seq ILM Post-Capture PCR Primer	The product is stable.
		RNA Seq Second-strand + End-Repair Oligo Mix	The product is stable.

<b>10.3 Possibility of hazardous reactions</b>	:	<input checked="" type="checkbox"/> RNA Seq Fragmentation 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.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		RNA Seq dA Tailing Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		RNA Seq PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		RNA Seq First Strand Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		Uracil DNA Glycosylase (UDG)	Under normal conditions of storage and use, hazardous reactions will not occur.
		SureSelect Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
		SureSelect Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
		SureSelect XT 8 bp Indexes	Under normal conditions of storage and use, hazardous reactions will not occur.

## SECTION 10: Stability and reactivity

RNA Seq ILM Reverse PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq ILM Post-Capture PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq Second-strand + End-Repair Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** :

RNA Seq Fragmentation Mix	No specific data.
SureSelect Ligation Master Mix	No specific data.
RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
RNA Seq dA Tailing Master Mix	No specific data.
RNA Seq PCR Master Mix	No specific data.
RNA Seq First Strand Master Mix	No specific data.
Uracil DNA Glycosylase (UDG)	No specific data.
SureSelect Oligo Adaptor Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect XT 8 bp Indexes	No specific data.
RNA Seq ILM Reverse PCR Primer	No specific data.
RNA Seq ILM Post-Capture PCR Primer	No specific data.
RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.

**10.5 Incompatible materials** :

RNA Seq Fragmentation Mix	May react or be incompatible with oxidising materials.
SureSelect Ligation Master Mix	May react or be incompatible with oxidising materials.
RNA Seq Second-strand + End-Repair Enzyme Mix	May react or be incompatible with oxidising materials.
RNA Seq dA Tailing Master Mix	May react or be incompatible with oxidising materials.
RNA Seq PCR Master Mix	May react or be incompatible with oxidising materials.
RNA Seq First Strand Master Mix	May react or be incompatible with oxidising materials.
Uracil DNA Glycosylase (UDG)	May react or be incompatible with oxidising materials.
SureSelect Oligo Adaptor Mix	May react or be incompatible with oxidising materials.
SureSelect Primer	May react or be incompatible with oxidising materials.
SureSelect XT 8 bp Indexes	May react or be incompatible with oxidising materials.
RNA Seq ILM Reverse PCR Primer	May react or be incompatible with oxidising materials.
RNA Seq ILM Post-Capture PCR Primer	May react or be incompatible with oxidising materials.
RNA Seq Second-strand + End-Repair Oligo Mix	May react or be incompatible with oxidising materials.

## SECTION 10: Stability and reactivity

<b>10.6 Hazardous decomposition products</b>	:	RNA Seq Fragmentation 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, hazardous decomposition products should not be produced.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Seq dA Tailing Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Seq PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Seq First Strand Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		Uracil DNA Glycosylase (UDG)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		SureSelect Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		SureSelect Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		SureSelect XT 8 bp Indexes	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Seq ILM Reverse PCR Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Seq ILM Post-Capture PCR Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
		RNA Seq Second-strand + End-Repair Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not available.

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

## SECTION 11: Toxicological information

Product/ingredient name	Category	Route of exposure	Target organs
<b>SureSelect Ligation Master Mix</b> 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
<b>RNA Seq dA Tailing Master Mix</b> 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

RNA Seq Fragmentation Mix	Not available.
SureSelect Ligation Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
RNA Seq Second-strand + End-Repair Enzyme Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
RNA Seq dA Tailing Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
RNA Seq PCR Master Mix	Not available.
RNA Seq First Strand Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
Uracil DNA Glycosylase (UDG)	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect Oligo Adaptor Mix	Not available.
SureSelect Primer	Not available.
SureSelect XT 8 bp Indexes	Not available.
RNA Seq ILM Reverse PCR Primer	Not available.
RNA Seq ILM Post-Capture PCR Primer	Not available.
RNA Seq Second-strand + End-Repair Oligo Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

<b>Inhalation</b>	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
<b>Ingestion</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
<b>Skin contact</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

<b>Eye contact</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.

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

<b>Inhalation</b>	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-Capture PCR Primer	No specific data.
	RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.

  

<b>Ingestion</b>	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing	No specific data.

## SECTION 11: Toxicological information

	Master Mix	
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-Capture PCR Primer	No specific data.
	RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.
<b>Skin contact</b>	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-Capture PCR Primer	No specific data.
	RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.
<b>Eye contact</b>	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.



## SECTION 11: Toxicological information

SureSelect Primer	No specific data.
SureSelect XT 8 bp Indexes	No specific data.
RNA Seq ILM Reverse PCR Primer	No specific data.
RNA Seq ILM Post-Capture PCR Primer	No specific data.
RNA Seq Second-strand + End-Repair Oligo Mix	No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

<b>General</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.	
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.	
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.	
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.	
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.	
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.	
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.	
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.	
	SureSelect Primer	No known significant effects or critical hazards.	
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.	
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.	
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.	
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.	
	<b>Carcinogenicity</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
		SureSelect Ligation Master Mix	No known significant effects or critical hazards.
		RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
		RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
		RNA Seq PCR Master Mix	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
<b>Teratogenicity</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
<b>Developmental effects</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
<b>Fertility effects</b>	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

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

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

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

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

#### Packaging

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

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

## SECTION 14: Transport information

**ADR/RID / IMDG / IATA** : Not regulated.

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

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

## SECTION 15: Regulatory information

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

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

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: RNA Seq Fragmentation Mix	Not applicable.
	SureSelect Ligation Master Mix	Not applicable.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not applicable.
	RNA Seq dA Tailing Master Mix	Not applicable.
	RNA Seq PCR Master Mix	Not applicable.
	RNA Seq First Strand Master Mix	Not applicable.
	Uracil DNA Glycosylase (UDG)	Not applicable.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect XT 8 bp Indexes	Not applicable.
	RNA Seq ILM Reverse PCR Primer	Not applicable.
	RNA Seq ILM Post-Capture PCR Primer	Not applicable.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not applicable.

##### Other EU regulations

###### Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

###### Seveso Directive

This product is not controlled under the Seveso Directive.

##### International regulations

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

Not listed.

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

Not listed.

###### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

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

Not listed.

##### Inventory list

**Australia** : Not determined.

**Canada** : Not determined.

**China** : Not determined.

## SECTION 15: Regulatory information

<b>Europe</b>	: Not determined.
<b>Japan</b>	: <b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>Malaysia</b>	: Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.

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

## SECTION 16: Other information

✓ Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

### Full text of abbreviated H statements

<b>SureSelect Ligation Master Mix</b> H315 H319 H335  <b>RNA Seq dA Tailing Master Mix</b> H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.  Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
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### Full text of classifications [CLP/GHS]

<b>SureSelect Ligation Master Mix</b> Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335  <b>RNA Seq dA Tailing Master Mix</b> Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3  SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
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**Date of issue/ Date of revision** : 20/08/2018

## **SECTION 16: Other information**

**Date of previous issue** : 25/05/2018

**Version** : 1.1

### Notice to reader

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