

SAFETY DATA SHEET

**SureSelect Strand-Specific RNA Library Prep Kit Box 1-ILM-96 Samples, Part Number
5500-0117**

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

1.1 Product identifier

Product name	: SureSelect Strand-Specific RNA Library Prep Kit Box 1-ILM-96 Samples, Part Number 5500-0117	
Part No. (Kit)	: 5500-0117	
Part No.	: SureSelect Ligation	5190-3807
	Master Mix	
	RNA Seq Fragmentation	5190-6391
	Mix	
	RNA Seq Second Strand	5190-7764
	+ End Repair Enzyme	
	Mix	
	RNA Seq dA Tailing	5190-6394
	Master Mix	
	RNA Seq PCR Master	5190-6396
	Mix	
	RNA Seq First Strand	5190-6392
	Master Mix	
	Uracil DNA Glycosylase -	5190-6397
	UDG	
	SureSelect Oligo	5190-6395
	Adaptor Mix	
	SureSelect Primer	5190-3620
	RNA Seq Index 1-96, 8	5190-6263
	bp	
	RNA Seq ILM Reverse	5190-6398
	PCR Primer	
	RNA Seq ILM Post-	5190-6399
	capture PCR Primer	
	RNA Seq Second Strand	5190-7765
	+ End Repair Oligo Mix	

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

Identified uses	
Analytical reagent.	
SureSelect Ligation Master Mix	0.8 ml
RNA Seq Fragmentation Mix	2.9 ml
RNA Seq Second Strand + End	3 ml
Repair Enzyme Mix	
RNA Seq dA Tailing Master Mix	3.1 ml
RNA Seq PCR Master Mix	6.7 ml
RNA Seq First Strand Master Mix	1.1 ml
Uracil DNA Glycosylase - UDG	0.135 ml
SureSelect Oligo Adaptor Mix	0.77 ml
SureSelect Primer	0.3 ml
RNA Seq Index 1-96, 8 bp	1.44 ml (0.015 ml in each of 96 wells of plate)
RNA Seq ILM Reverse PCR	0.135 ml
Primer	
RNA Seq ILM Post-capture PCR	0.135 ml
Primer	
RNA Seq Second Strand + End	0.7 ml
Repair Oligo Mix	

1.3 Details of the supplier of the safety data sheet

**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**

Product definition	: SureSelect Ligation Master Mix	Mixture
	RNA Seq Fragmentation 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
	RNA Seq Index 1-96, 8 bp	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]**SureSelect Ligation Master Mix**

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq Second Strand + End Repair Enzyme Mix

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq dA Tailing Master Mix

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq First Strand Master Mix

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Uracil DNA Glycosylase - UDG

H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq Second Strand + End

SECTION 2: Hazards identification**Repair Oligo Mix**

H373

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Ingredients of unknown toxicity	: SureSelect Ligation Master Mix RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix RNA Seq dA Tailing Master Mix RNA Seq PCR Master Mix RNA Seq First Strand Master Mix Uracil DNA Glycosylase - UDG SureSelect Oligo Adaptor Mix SureSelect Primer RNA Seq Index 1-96, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.6% Not applicable. Not applicable. Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.6% Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Ingredients of unknown ecotoxicity	: SureSelect Ligation Master Mix RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix RNA Seq dA Tailing Master Mix RNA Seq PCR Master Mix RNA Seq First Strand Master Mix Uracil DNA Glycosylase - UDG SureSelect Oligo Adaptor Mix SureSelect Primer RNA Seq Index 1-96, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 32.6% Not applicable. Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 16% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 17.6% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 6% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 16% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 69.3% Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 16%

Classification according to Directive 1999/45/EC [DPD]

SureSelect Ligation Master Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq Fragmentation Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq Second Strand + End Repair Enzyme Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq dA Tailing Master Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq PCR Master Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq First Strand Master Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Uracil DNA Glycosylase - UDG	The product is not classified as dangerous according to Directive 1999/45/EC

SECTION 2: Hazards identification

SureSelect Oligo Adaptor Mix	and its amendments. The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Primer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq Index 1-96, 8 bp	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq ILM Reverse PCR Primer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq ILM Post-capture PCR Primer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
RNA Seq Second Strand + End Repair Oligo Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	:	SureSelect Ligation Master Mix	Not classified.
		RNA Seq Fragmentation Mix	Not classified.
		RNA Seq Second Strand + End Repair Enzyme Mix	Not classified.
		RNA Seq dA Tailing Master Mix	Not classified.
		RNA Seq PCR Master Mix	Not classified.
		RNA Seq First Strand Master Mix	Not classified.
		Uracil DNA Glycosylase - UDG	Not classified.
		SureSelect Oligo Adaptor Mix	Not classified.
		SureSelect Primer	Not classified.
		RNA Seq Index 1-96, 8 bp	Not classified.
		RNA Seq ILM Reverse PCR Primer	Not classified.
		RNA Seq ILM Post-capture PCR Primer	Not classified.
		RNA Seq Second Strand + End Repair Oligo Mix	Not classified.

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

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

2.2 Label elements

Hazard pictograms

:



Signal word

:

SureSelect Ligation Master Mix	Warning
RNA Seq Fragmentation Mix	No signal word.
RNA Seq Second Strand + End Repair Enzyme Mix	Warning
RNA Seq dA Tailing Master Mix	Warning
RNA Seq PCR Master Mix	No signal word.
RNA Seq First Strand Master Mix	Warning
Uracil DNA Glycosylase - UDG	Warning
SureSelect Oligo	No signal word.

SECTION 2: Hazards identification

	Adaptor Mix	
	SureSelect Primer	No signal word.
	RNA Seq Index 1-96, 8 bp	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	Warning
Hazard statements	: SureSelect Ligation Master Mix	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	RNA Seq Second Strand + End Repair Enzyme Mix	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	RNA Seq dA Tailing Master Mix	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	Uracil DNA Glycosylase - UDG	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	RNA Seq Index 1-96, 8 bp	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	GHS08 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention

: SureSelect Ligation Master Mix	P260 - Do not breathe vapour.
RNA Seq Fragmentation Mix	Not applicable.
RNA Seq Second Strand + End Repair Enzyme Mix	P260 - Do not breathe vapour.
RNA Seq dA Tailing Master Mix	P260 - Do not breathe vapour.
RNA Seq PCR Master Mix	Not applicable.
RNA Seq First Strand Master Mix	P260 - Do not breathe vapour.
Uracil DNA Glycosylase - UDG	P260 - Do not breathe vapour.
SureSelect Oligo Adaptor Mix	Not applicable.
SureSelect Primer	Not applicable.
RNA Seq Index 1-96, 8 bp	Not applicable.
RNA Seq ILM Reverse PCR Primer	Not applicable.
RNA Seq ILM Post-	Not applicable.

SECTION 2: Hazards identification

	capture PCR Primer	
	RNA Seq Second Strand + End Repair Oligo Mix	P260 - Do not breathe vapour.
Response	: SureSelect Ligation Master Mix	P314 - Get medical attention if you feel unwell.
	RNA Seq Fragmentation Mix	Not applicable.
	RNA Seq Second Strand + End Repair Enzyme Mix	P314 - Get medical attention if you feel unwell.
	RNA Seq dA Tailing Master Mix	P314 - Get medical attention if you feel unwell.
	RNA Seq PCR Master Mix	Not applicable.
	RNA Seq First Strand Master Mix	P314 - Get medical attention if you feel unwell.
	Uracil DNA Glycosylase - UDG	P314 - Get medical attention if you feel unwell.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	RNA Seq Index 1-96, 8 bp	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	P314 - Get medical attention if you feel unwell.
Storage	: SureSelect Ligation Master Mix	Not applicable.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.
Disposal	: SureSelect Ligation Master Mix	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	RNA Seq Fragmentation Mix	Not applicable.
	RNA Seq Second Strand + End Repair Enzyme Mix	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	RNA Seq dA Tailing Master Mix	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	RNA Seq PCR Master	Not applicable.

SECTION 2: Hazards identification

Mix	
RNA Seq First Strand Master Mix	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Uracil DNA Glycosylase - UDG	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
SureSelect Oligo Adaptor Mix	Not applicable.
SureSelect Primer	Not applicable.
RNA Seq Index 1-96, 8 bp	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	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous ingredients

: **SureSelect Ligation Master Mix**
Glycerol

RNA Seq Second Strand + End Repair Enzyme Mix
Glycerol

RNA Seq dA Tailing Master Mix
Glycerol

RNA Seq First Strand Master Mix
Glycerol

Uracil DNA Glycosylase - UDG
Glycerol

RNA Seq Second Strand + End Repair Oligo Mix
Glycerol

Supplemental label elements

: SureSelect Ligation Master Mix	Not applicable.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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

Tactile warning of danger	:	SureSelect Ligation Master Mix	Not applicable.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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

Other hazards which do not result in classification	:	SureSelect Ligation Master Mix	None known.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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

Substance/mixture	:	SureSelect Ligation Master Mix	Mixture
		RNA Seq Fragmentation Mix	Mixture
		RNA Seq Second Strand + End Repair Enzyme Mix	Mixture
		RNA Seq dA Tailing	Mixture

SECTION 3: Composition/information on ingredients

Master Mix
 RNA Seq PCR Master Mixture
 Mix
 RNA Seq First Strand Mixture
 Master Mix
 Uracil DNA Glycosylase Mixture
 - UDG
 SureSelect Oligo Mixture
 Adaptor Mix
 SureSelect Primer Mixture
 RNA Seq Index 1-96, 8 Mixture
 bp
 RNA Seq ILM Reverse Mixture
 PCR Primer
 RNA Seq ILM Post-capture PCR Primer Mixture
 RNA Seq Second Mixture
 Strand + End Repair
 Oligo Mix

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
SureSelect Ligation Master Mix					
Glycerol	EC: 200-289-5 CAS: 56-81-5	>=25 - <35	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	>=1 - <5	Xi; R36/37/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation)	[1]
RNA Seq Second Strand + End Repair Enzyme Mix					
Glycerol	EC: 200-289-5 CAS: 56-81-5	>=15 - <20	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
Potassium chloride	EC: 231-211-8 CAS: 7447-40-7	>=1 - <5	Not classified.	STOT RE 2, H373 (gastrointestinal tract) Aquatic Chronic 2, H411	[1]
RNA Seq dA Tailing Master Mix					
Glycerol	EC: 200-289-5 CAS: 56-81-5	>=15 - <20	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	>=1 - <5	Xi; R36/37/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation)	[1]
RNA Seq PCR Master Mix					
Glycerol	EC: 200-289-5 CAS: 56-81-5	>=5 - <10	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
RNA Seq First Strand Master Mix					
Glycerol	EC: 200-289-5 CAS: 56-81-5	>=15 - <20	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
Uracil DNA Glycosylase - UDG					

SECTION 3: Composition/information on ingredients

Glycerol	EC: 200-289-5 CAS: 56-81-5	>=50 - <75	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
RNA Seq Second Strand + End Repair Oligo Mix					
Glycerol	EC: 200-289-5 CAS: 56-81-5	>=15 - <20	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
Potassium chloride	EC: 231-211-8 CAS: 7447-40-7	>=1 - <5	Not classified.	STOT RE 2, H373 (gastrointestinal tract) Aquatic Chronic 2, H411	[1]
			See Section 16 for the full text of the R-phrases declared above.	See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier 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

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: 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 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.
	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.
	RNA Seq Index 1-96, 8 bp	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-	Immediately flush eyes with plenty of water, occasionally

SECTION 4: First aid measures

	capture PCR Primer	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.
Inhalation	: 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 Fragmentation Mix	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 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.
	RNA Seq Index 1-96, 8 bp	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	: SureSelect Ligation Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq Fragmentation 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.

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	RNA Seq First Strand Master Mix	Flush contaminated skin with plenty of water. Remove 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.
	RNA Seq Index 1-96, 8 bp	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.
Ingestion	: 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 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.
	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 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

SECTION 4: First aid measures

SureSelect Oligo Adaptor Mix	personnel. Get medical attention if symptoms occur. 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.
RNA Seq Index 1-96, 8 bp	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.

Protection of first-aiders : SureSelect Ligation Master Mix
 RNA Seq Fragmentation Mix
 RNA Seq Second Strand + End Repair Enzyme Mix
 RNA Seq dA Tailing Master Mix
 RNA Seq PCR Master Mix
 RNA Seq First Strand Master Mix
 Uracil DNA Glycosylase - UDG
 SureSelect Oligo Adaptor Mix
 SureSelect Primer
 RNA Seq Index 1-96, 8 bp
 RNA Seq ILM Reverse PCR Primer
 RNA Seq ILM Post-capture PCR Primer
 RNA Seq Second Strand + End Repair Oligo Mix

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

SECTION 4: First aid measures**4.2 Most important symptoms and effects, both acute and delayed****Potential acute health effects**

Eye contact	:	SureSelect Ligation Master Mix	No known significant effects or critical hazards.	
		RNA Seq Fragmentation 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.	
		RNA Seq Index 1-96, 8 bp	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.	
	Inhalation	:	SureSelect Ligation Master Mix	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
			RNA Seq Fragmentation 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	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
		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.	
		RNA Seq Index 1-96, 8 bp	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.	
Skin contact		:	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
			RNA Seq Fragmentation 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	No known significant effects or critical hazards.	

SECTION 4: First aid measures

	Mix	
	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.
	RNA Seq Index 1-96, 8 bp	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.
Ingestion	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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

Eye contact	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	No specific data.
	RNA Seq ILM Reverse	No specific data.

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		PCR Primer	
		RNA Seq ILM Post-capture PCR Primer	No specific data.
		RNA Seq Second Strand + End Repair Oligo Mix	No specific data.
Inhalation	:	SureSelect Ligation Master Mix	No specific data.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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.
Skin contact	:	SureSelect Ligation Master Mix	No specific data.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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.
Ingestion	:	SureSelect Ligation Master Mix	No specific data.
		RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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

Notes to physician	: 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 Fragmentation Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	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.
	RNA Seq Index 1-96, 8 bp	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	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.
Specific treatments	: SureSelect Ligation Master Mix	No specific treatment.
	RNA Seq Fragmentation 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.

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SureSelect Oligo Adaptor Mix	No specific treatment.
SureSelect Primer	No specific treatment.
RNA Seq Index 1-96, 8 bp	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

Suitable extinguishing media

: SureSelect Ligation Master Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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.

Unsuitable extinguishing media

: SureSelect Ligation Master Mix	None known.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	None known.
RNA Seq ILM Reverse PCR Primer	None known.
RNA Seq ILM Post-capture PCR Primer	None known.

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RNA Seq Second Strand + End Repair Oligo Mix None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: SureSelect Ligation Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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.

Hazardous combustion products

: SureSelect Ligation Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
RNA Seq Fragmentation Mix	No specific data.
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.
RNA Seq Index 1-96, 8 bp	No specific data.
RNA Seq ILM Reverse PCR Primer	No specific data.
RNA Seq ILM Post-	No specific data.

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capture PCR Primer
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

Special precautions for fire-fighters

: 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 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.

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 taken involving any personal risk or without suitable training.

RNA Seq PCR 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 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.

RNA Seq Index 1-96, 8
bp

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.

Special protective equipment for fire-fighters

: 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 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.

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

SECTION 5: Firefighting measures

RNA Seq dA Tailing Master Mix	basic level of protection for chemical incidents. 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 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.
RNA Seq Index 1-96, 8 bp	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**

For non-emergency personnel	: 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	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.
	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. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.
	RNA Seq Index 1-96, 8 bp	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

SECTION 6: Accidental release measures

For emergency responders

RNA Seq ILM Post-capture PCR Primer	appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
: 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 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".
RNA Seq Second Strand + End Repair Enzyme Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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".
RNA Seq Index 1-96, 8 bp	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".

SECTION 6: Accidental release measures**6.2 Environmental precautions**

: 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 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).
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 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).
RNA Seq Index 1-96, 8 bp	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**Methods for cleaning up**

: 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 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

SECTION 6: Accidental release measures

RNA Seq Second Strand + End Repair Enzyme Mix	of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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.
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.
RNA Seq Index 1-96, 8 bp	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**

Protective measures	: SureSelect Ligation Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	RNA Seq Fragmentation Mix	Put on appropriate personal protective equipment (see Section 8).
	RNA Seq Second Strand + End Repair Enzyme Mix	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	RNA Seq dA Tailing Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	RNA Seq PCR Master Mix	Put on appropriate personal protective equipment (see Section 8).
	RNA Seq First Strand Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	Uracil DNA Glycosylase - UDG	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	SureSelect Oligo Adaptor Mix	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Primer	Put on appropriate personal protective equipment (see Section 8).
	RNA Seq Index 1-96, 8 bp	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). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: 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 Fragmentation Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

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RNA Seq Second Strand + End Repair Enzyme Mix	Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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.
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.
RNA Seq Index 1-96, 8 bp	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	Eating, drinking and smoking should be prohibited in areas

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

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	been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
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.
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.
RNA Seq Index 1-96, 8 bp	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.
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.
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.
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.

7.3 Specific end use(s)

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Recommendations	: SureSelect Ligation Master Mix	Industrial applications, Professional applications.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	Industrial applications, Professional applications.
	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.
Industrial sector specific solutions	: Not applicable.	

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

No exposure limit value known.

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.

Derived effect levels

No DNELs available.

Predicted effect concentrations

No PNECs available.

8.2 Exposure controls

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures

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

SECTION 8: Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- 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**

Physical state	SureSelect Ligation Master Mix	Liquid.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.

SECTION 9: Physical and chemical properties

Colour	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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.
Odour	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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.
Odour threshold	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation 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	Not available.

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	Mix	
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	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.
pH	: SureSelect Ligation Master Mix	7.5
	RNA Seq Fragmentation Mix	8.3
	RNA Seq Second Strand + End Repair Enzyme Mix	8.3
	RNA Seq dA Tailing Master Mix	7.5
	RNA Seq PCR Master Mix	8.8
	RNA Seq First Strand Master Mix	8.3
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	7.5
	RNA Seq Index 1-96, 8 bp	7
	RNA Seq ILM Reverse PCR Primer	7
	RNA Seq ILM Post-capture PCR Primer	7
	RNA Seq Second Strand + End Repair Oligo Mix	7.5
Melting point/freezing point	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	0°C
	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	0°C
	SureSelect Primer	0°C
	RNA Seq Index 1-96, 8 bp	0°C

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	RNA Seq ILM Reverse	0°C
	PCR Primer	
	RNA Seq ILM Post-capture PCR Primer	0°C
	RNA Seq Second Strand + End Repair	Not available.
	Oligo Mix	
Initial boiling point and boiling range	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	100°C
	RNA Seq Second Strand + End Repair	Not available.
	Enzyme Mix	
	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
	RNA Seq Index 1-96, 8 bp	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	Not available.
	Oligo Mix	
Flash point	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End Repair	Not available.
	Enzyme Mix	
	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.
	RNA Seq Index 1-96, 8 bp	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	Not available.
	Oligo Mix	

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Evaporation rate	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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.
Flammability (solid, gas)	:	SureSelect Ligation Master Mix	Not applicable.
		RNA Seq Fragmentation 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.
		RNA Seq Index 1-96, 8 bp	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.
Upper/lower flammability or explosive limits	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation 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.

SECTION 9: Physical and chemical properties

RNA Seq First Strand Master Mix	Not available.
Uracil DNA Glycosylase - UDG	Not available.
SureSelect Oligo Adaptor Mix	Not available.
SureSelect Primer	Not available.
RNA Seq Index 1-96, 8 bp	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.

Vapour pressure

: SureSelect Ligation Master Mix	Not available.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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.

Vapour density

: SureSelect Ligation Master Mix	Not available.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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.
Relative density	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.
Solubility(ies)	: SureSelect Ligation Master Mix	Soluble in the following materials: cold water and hot water.
	RNA Seq Fragmentation Mix	Easily 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.
	RNA Seq Index 1-96, 8 bp	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

Partition coefficient: n-octanol/water	:	SureSelect Ligation Master Mix	Not available.		
		RNA Seq Fragmentation 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.		
		RNA Seq Index 1-96, 8 bp	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.		
		Auto-ignition temperature	:	SureSelect Ligation Master Mix	Not available.
				RNA Seq Fragmentation 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.				
RNA Seq Index 1-96, 8 bp	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.				
Decomposition temperature	:			SureSelect Ligation Master Mix	Not available.
				RNA Seq Fragmentation 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	Not available.

SECTION 9: Physical and chemical properties

	Mix	
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	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.
Viscosity	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.
Explosive properties	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: SureSelect Ligation Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	RNA Seq Fragmentation 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.
	SureSelect Oligo Adaptor Mix	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect Primer	No specific test data related to reactivity available for this product or its ingredients.
	RNA Seq Index 1-96, 8 bp	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.
10.2 Chemical stability	: SureSelect Ligation Master Mix	The product is stable.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.

SECTION 10: Stability and reactivity

RNA Seq Second Strand + End Repair Oligo Mix The product is stable.

10.3 Possibility of hazardous reactions

: SureSelect Ligation Master Mix Under normal conditions of storage and use, hazardous reactions will not occur.
 RNA Seq Fragmentation 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.
 RNA Seq Index 1-96, 8 bp Under normal conditions of storage and use, hazardous reactions will not occur.
 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

: SureSelect Ligation Master Mix No specific data.
 RNA Seq Fragmentation 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.
 RNA Seq Index 1-96, 8 bp 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.

SECTION 10: Stability and reactivity

10.5 Incompatible materials	:	SureSelect Ligation Master Mix	No specific data.	
		RNA Seq Fragmentation 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.	
		RNA Seq Index 1-96, 8 bp	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.	
	10.6 Hazardous decomposition products	:	SureSelect Ligation Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
			RNA Seq Fragmentation 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.	
		RNA Seq Index 1-96, 8 bp	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

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
SureSelect Ligation Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
RNA Seq Second Strand + End Repair Enzyme Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-
RNA Seq dA Tailing Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
RNA Seq PCR Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
RNA Seq First Strand Master Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Uracil DNA Glycosylase - UDG Glycerol	LD50 Oral	Rat	12600 mg/kg	-
RNA Seq Second Strand + End Repair Oligo Mix Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-

Acute toxicity estimates

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
SureSelect Ligation Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
RNA Seq Second Strand + End Repair Enzyme Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams
RNA Seq dA Tailing Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
RNA Seq PCR Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

SECTION 11: Toxicological information

RNA Seq First Strand Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Uracil DNA Glycosylase - UDG Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
RNA Seq Second Strand + End Repair Oligo Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitiser

Conclusion/Summary : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
SureSelect Ligation Master Mix Glycerol	Category 2	Inhalation	kidneys
RNA Seq Second Strand + End Repair Enzyme Mix Glycerol Potassium chloride	Category 2 Category 2	Inhalation Not determined	kidneys gastrointestinal tract
RNA Seq dA Tailing Master Mix Glycerol	Category 2	Inhalation	kidneys
RNA Seq PCR Master Mix Glycerol	Category 2	Inhalation	kidneys
RNA Seq First Strand Master Mix Glycerol	Category 2	Inhalation	kidneys
Uracil DNA Glycosylase - UDG Glycerol	Category 2	Inhalation	kidneys

SECTION 11: Toxicological information

RNA Seq Second Strand + End Repair Oligo Mix Glycerol Potassium chloride	Category 2 Category 2	Inhalation Not determined	kidneys gastrointestinal tract
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Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.**Potential acute health effects**

Inhalation	: SureSelect Ligation Master Mix	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	RNA Seq Fragmentation 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	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	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.
	RNA Seq Index 1-96, 8 bp	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.
Ingestion	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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

Skin contact	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.

Eye contact	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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

Inhalation	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation 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.

SECTION 11: Toxicological information

	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.
	RNA Seq Index 1-96, 8 bp	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.
Ingestion	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.
Skin contact	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-capture PCR Primer	No specific data.

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Eye contact	RNA Seq Second Strand + End Repair Oligo Mix	No specific data.
	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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 and also chronic effects from short and long term exposure**Short term exposure**

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.

SECTION 11: Toxicological information

	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.
Carcinogenicity	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.
Mutagenicity	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.
Teratogenicity	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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	No known significant effects or critical hazards.

SECTION 11: Toxicological information

	Master Mix	
	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.
	RNA Seq Index 1-96, 8 bp	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.
Developmental effects	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	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.
Fertility effects	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation 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.
	RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse	No known significant effects or critical hazards.

SECTION 11: Toxicological information

PCR Primer	
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.

Toxicokinetics

Absorption

: SureSelect Ligation Master Mix	Not available.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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.

Distribution

: SureSelect Ligation Master Mix	Not available.
RNA Seq Fragmentation 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.
RNA Seq Index 1-96, 8 bp	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 11: Toxicological information

Metabolism	:	SureSelect Ligation Master Mix	Not available.	
		RNA Seq Fragmentation 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.	
		RNA Seq Index 1-96, 8 bp	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.	
	Elimination	:	SureSelect Ligation Master Mix	Not available.
			RNA Seq Fragmentation 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.	
		RNA Seq Index 1-96, 8 bp	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.	
Other information		:	Not available.	

SECTION 12: Ecological information**12.1 Toxicity**

SECTION 12: Ecological information

Product/ingredient name	Result	Species	Exposure
RNA Seq Second Strand + End Repair Enzyme Mix Potassium chloride	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 83000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 9.68 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	48 hours
RNA Seq Second Strand + End Repair Oligo Mix Potassium chloride	Acute LC50 880000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 83000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 9.68 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	48 hours
	Acute LC50 880000 µg/l Fresh water	Fish - Pimephales promelas	96 hours

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
SureSelect Ligation Master Mix Glycerol	-1.76	-	low
RNA Seq Second Strand + End Repair Enzyme Mix Glycerol	-1.76	-	low
RNA Seq dA Tailing Master Mix Glycerol	-1.76	-	low
RNA Seq PCR Master Mix Glycerol	-1.76	-	low
RNA Seq First Strand Master Mix Glycerol	-1.76	-	low
Uracil DNA Glycosylase - UDG Glycerol	-1.76	-	low
RNA Seq Second Strand + End Repair Oligo Mix Glycerol	-1.76	-	low

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

SECTION 12: Ecological information

- 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 : The classification of the product may meet the criteria for a hazardous waste.

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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information**Regulatory information**

ADR/RID / IMDG / IATA : Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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 authorisationSubstances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Other EU regulations

Europe inventory : At least one component is not listed.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Not listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

SECTION 15: Regulatory information

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
SureSelect Ligation Master Mix STOT RE 2, H373	Calculation method
RNA Seq Second Strand + End Repair Enzyme Mix STOT RE 2, H373	Calculation method
RNA Seq dA Tailing Master Mix STOT RE 2, H373	Calculation method
RNA Seq First Strand Master Mix STOT RE 2, H373	Calculation method
Uracil DNA Glycosylase - UDG STOT RE 2, H373	Calculation method
RNA Seq Second Strand + End Repair Oligo Mix STOT RE 2, H373	Calculation method

Full text of abbreviated H statements : **SureSelect Ligation Master Mix**
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 (Respiratory tract irritation) May cause respiratory irritation. (Respiratory tract irritation)
 H373 May cause damage to organs through prolonged or repeated exposure.
 H373 (kidneys) (inhalation) May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)

RNA Seq Second Strand + End Repair Enzyme Mix
 H373 May cause damage to organs through prolonged or repeated exposure.
 H373 (gastrointestinal tract) May cause damage to organs through prolonged or repeated exposure. (gastrointestinal tract)
 H373 (kidneys) (inhalation) May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)
 H411 Toxic to aquatic life with long lasting effects.

RNA Seq dA Tailing Master Mix
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 (Respiratory tract irritation) May cause respiratory irritation. (Respiratory tract irritation)
 H373 May cause damage to organs through prolonged or

SECTION 16: Other information

H373 (kidneys)
(inhalation) repeated exposure.
May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)

RNA Seq PCR Master Mix

H373 (kidneys)
(inhalation) May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)

RNA Seq First Strand Master Mix

H373 May cause damage to organs through prolonged or repeated exposure.

H373 (kidneys)
(inhalation) May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)

Uracil DNA Glycosylase - UDG

H373 May cause damage to organs through prolonged or repeated exposure.

H373 (kidneys)
(inhalation) May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)

RNA Seq Second Strand + End Repair Oligo Mix

H373 May cause damage to organs through prolonged or repeated exposure.

H373 (gastrointestinal tract)
May cause damage to organs through prolonged or repeated exposure. (gastrointestinal tract)

H373 (kidneys)
(inhalation) May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)

H411 Toxic to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

SureSelect Ligation Master Mix

Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

(Respiratory tract irritation)

RNA Seq Second Strand + End Repair Enzyme Mix

Aquatic Chronic 2, H411 LONG-TERM AQUATIC HAZARD - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (gastrointestinal tract) - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

RNA Seq dA Tailing Master Mix

Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

SECTION 16: Other information

STOT SE 3, H335 (Respiratory tract irritation) SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

RNA Seq PCR Master Mix

STOT RE 2, H373 (kidneys) (inhalation) SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

RNA Seq First Strand Master Mix

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373 (kidneys) (inhalation) SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

Uracil DNA Glycosylase - UDG

STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373 (kidneys) (inhalation) SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

RNA Seq Second Strand + End Repair Oligo Mix

Aquatic Chronic 2, H411 LONG-TERM AQUATIC HAZARD - Category 2
STOT RE 2, H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373 (gastrointestinal tract) SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (gastrointestinal tract) - Category 2

STOT RE 2, H373 (kidneys) (inhalation) SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

Full text of abbreviated R phrases

- : SureSelect Ligation Master Mix R36/37/38- Irritating to eyes, respiratory system and skin.
- RNA Seq Fragmentation Mix Not applicable.
- RNA Seq Second Strand + End Repair Enzyme Mix Not applicable.
- RNA Seq dA Tailing Master Mix R36/37/38- Irritating to eyes, respiratory system and skin.
- 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.
- RNA Seq Index 1-96, 8 bp 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 16: Other information

Full text of classifications [DSD/DPD]	SureSelect Ligation Master Mix	Xi - Irritant
	RNA Seq Fragmentation Mix	Not applicable.
	RNA Seq Second Strand + End Repair Enzyme Mix	Not applicable.
	RNA Seq dA Tailing Master Mix	Xi - Irritant
	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.
	RNA Seq Index 1-96, 8 bp	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.
Date of issue/ Date of revision	:	02/10/2014
Date of previous issue	:	04/03/2013.
Version	:	2

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