

SAFETY DATA SHEET



SureSelect Strand-Specific RNA Library Prep Kit Box 1-ILM-16 Samples, Part Number
5500-0116

Section 1. Identification

1.1 Product identifier

Product name : SureSelect Strand-Specific RNA Library Prep Kit Box 1-ILM-16 Samples, Part Number 5500-0116

Part No. (Chemical Kit) : 5500-0116

Part No. :

SureSelect Ligation Master Mix	5190-3802
RNA Seq Fragmentation Mix	5190-6366
RNA Seq Second Strand + End Repair Enzyme Mix	5190-7762
RNA Seq dA Tailing Master Mix	5190-6369
RNA Seq PCR Master Mix	5190-6371
RNA Seq First Strand Master Mix	5190-6367
Uracil DNA Glycosylase - UDG	5190-6372
SureSelect Oligo Adaptor Mix	5190-6370
SureSelect Primer	5190-4933
RNA Seq Index 1-16, 8 bp	various*
RNA Seq ILM Reverse PCR Primer	5190-6373
RNA Seq ILM Post-capture PCR Primer	5190-6374
RNA Seq Second Strand + End Repair Oligo Mix	5190-7763

Validation date : 10/02/2014.

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

Material uses : Analytical reagent.

SureSelect Ligation Master Mix	0.08 ml
RNA Seq Fragmentation Mix	0.33 ml
RNA Seq Second Strand + End Repair Enzyme Mix	0.44 ml
RNA Seq dA Tailing Master Mix	0.35 ml
RNA Seq PCR Master Mix	0.88 ml
RNA Seq First Strand Master Mix	0.14 ml
Uracil DNA Glycosylase - UDG	0.018 ml
SureSelect Oligo Adaptor Mix	0.09 ml
SureSelect Primer	0.066 ml
RNA Seq Index 1-16, 8 bp	0.015 ml
RNA Seq ILM Reverse PCR Primer	0.018 ml
RNA Seq ILM Post-capture PCR Primer	0.018 ml
RNA Seq Second Strand + End Repair Oligo Mix	0.09 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
Logistics Center - Americas
500 Ships Landing Way
New Castle, Delaware 19720
800-227-9770

1.4 Emergency telephone number

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

Section 1. Identification

Note * : *RNA Seq Index 1-16, 8 bp: 5190-6375, 5190-6376, 5190-6377, 5190-6378, 5190-6379, 5190-6380, 5190-6381, 5190-6382, 5190-6383, 5190-6384, 5190-6385, 5190-6386, 5190-6387, 5190-6388, 5190-6389, 5190-6390

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

SureSelect Ligation Master Mix

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq Second Strand + End Repair Enzyme Mix

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq dA Tailing Master Mix

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq PCR Master Mix

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

RNA Seq First Strand Master Mix

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Uracil DNA Glycosylase - UDG

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

RNA Seq Second Strand + End Repair Oligo Mix

H320 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
 H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

Ingredients of unknown toxicity :

SureSelect Ligation Master Mix	Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 11.6%
RNA Seq Fragmentation Mix	Not applicable.
RNA Seq Second Strand + End Repair Enzyme Mix	Not applicable.
RNA Seq dA Tailing Master Mix	Percentage of the mixture consisting of ingredient (s) of unknown toxicity: 11.6%
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 1-16, 8 bp	Not applicable.
RNA Seq ILM Reverse PCR Primer	Not applicable.
RNA Seq ILM Post-capture PCR Primer	Not applicable.

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RNA Seq Second Strand + End Repair Oligo Mix Not applicable.

2.2 GHS 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	Warning
RNA Seq First Strand Master Mix	Warning
Uracil DNA Glycosylase - UDG	Warning
SureSelect Oligo Adaptor Mix	No signal word.
SureSelect Primer	No signal word.
RNA Seq Index 1-16, 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	H320 - Causes eye irritation. H373 - 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	H320 - Causes eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure.
RNA Seq dA Tailing Master Mix	H320 - Causes eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure.
RNA Seq PCR Master Mix	H373 - May cause damage to organs through prolonged or repeated exposure.
RNA Seq First Strand Master Mix	H320 - Causes eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure.
Uracil DNA Glycosylase - UDG	H320 - Causes eye irritation. H373 - 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 1-16, 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	H320 - Causes eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Section 2. Hazards identification

Prevention	: SureSelect Ligation Master Mix	P280 - Wear eye or face protection. P260 - Do not breathe vapor. P264 - Wash hands thoroughly after handling.
	RNA Seq Fragmentation Mix	Not applicable.
	RNA Seq Second Strand + End Repair Enzyme Mix	P280 - Wear eye or face protection. P260 - Do not breathe vapor. P264 - Wash hands thoroughly after handling.
	RNA Seq dA Tailing Master Mix	P280 - Wear eye or face protection. P260 - Do not breathe vapor. P264 - Wash hands thoroughly after handling.
	RNA Seq PCR Master Mix	P260 - Do not breathe vapor.
	RNA Seq First Strand Master Mix	P280 - Wear eye or face protection. P260 - Do not breathe vapor. P264 - Wash hands thoroughly after handling.
	Uracil DNA Glycosylase - UDG	P280 - Wear eye or face protection. P260 - Do not breathe vapor. P264 - Wash hands thoroughly after handling.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	RNA Seq Index 1-16, 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	P280 - Wear eye or face protection. P260 - Do not breathe vapor. P264 - Wash hands thoroughly after handling.
Response	: SureSelect Ligation Master Mix	P314 - Get medical attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	RNA Seq Fragmentation Mix	Not applicable.
	RNA Seq Second Strand + End Repair Enzyme Mix	P314 - Get medical attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	RNA Seq dA Tailing Master Mix	P314 - Get medical attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	RNA Seq PCR Master Mix	P314 - Get medical attention if you feel unwell.
	RNA Seq First Strand Master Mix	P314 - Get medical attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	Uracil DNA Glycosylase - UDG	P314 - Get medical attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse

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		cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	RNA Seq Index 1-16, 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. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
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 1-16, 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 Mix	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	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 1-16, 8 bp	Not applicable.

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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.

2.3 Other hazards

Hazards not otherwise classified

: 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 1-16, 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 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 1-16, 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

Ingredient name	%	CAS number
SureSelect Ligation Master Mix		
Glycerol	30 - 60	56-81-5
Polyethylene glycol	5 - 10	25322-68-3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1 - 5	1185-53-1
RNA Seq Second Strand + End Repair Enzyme Mix		
Glycerol	10 - 30	56-81-5
Potassium chloride	1 - 5	7447-40-7
RNA Seq dA Tailing Master Mix		

Section 3. Composition/information on ingredients

Glycerol	10 - 30	56-81-5
Polyethylene glycol	5 - 10	25322-68-3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1 - 5	1185-53-1
RNA Seq PCR Master Mix		
Glycerol	5 - 10	56-81-5
RNA Seq First Strand Master Mix		
Glycerol	10 - 30	56-81-5
Uracil DNA Glycosylase - UDG		
Glycerol	60 - 100	56-81-5
RNA Seq Second Strand + End Repair Oligo Mix		
Glycerol	10 - 30	56-81-5
Potassium chloride	1 - 5	7447-40-7

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

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

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

Section 4. First aid measures

[4.1 Description of necessary 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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling

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Uracil DNA Glycosylase - UDG	unwell. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
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 1-16, 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-capture PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
RNA Seq Second Strand + End Repair Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
Inhalation : SureSelect Ligation Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If

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	unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
RNA Seq dA Tailing Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
RNA Seq PCR Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
RNA Seq First Strand Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Uracil DNA Glycosylase - UDG	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect 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

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position comfortable for breathing. Get medical attention if symptoms occur.

RNA Seq Index 1-16, 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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: SureSelect Ligation Master Mix

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

RNA Seq dA Tailing Master Mix

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

RNA Seq PCR Master Mix

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

RNA Seq First Strand Master Mix

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Uracil DNA Glycosylase - UDG

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get

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medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

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 1-16, 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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: SureSelect Ligation Master Mix

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

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 dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If

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RNA Seq dA Tailing Master Mix

unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

RNA Seq PCR Master Mix

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

RNA Seq First Strand Master Mix

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

Uracil DNA Glycosylase - UDG

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless

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	directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Oligo Adaptor Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Primer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
RNA Seq Index 1-16, 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 dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie,

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belt or waistband.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Causes eye irritation. No known significant effects or critical hazards. Causes eye irritation. Causes eye irritation. No known significant effects or critical hazards. Causes eye irritation. Causes eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Causes eye irritation.
Inhalation	: 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

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Ingestion

RNA Seq Second Strand + End Repair Oligo Mix	No known significant effects or critical hazards.
SureSelect Ligation Master Mix	May be irritating to mouth, throat and stomach.
RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Enzyme Mix	May be irritating to mouth, throat and stomach.
RNA Seq dA Tailing Master Mix	May be irritating to mouth, throat and stomach.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	May be irritating to mouth, throat and stomach.
Uracil DNA Glycosylase - UDG	May be irritating to mouth, throat and stomach.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
RNA Seq Index 1-16, 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	May be irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact

SureSelect Ligation Master Mix	Adverse symptoms may include the following: irritation watering redness
RNA Seq Fragmentation Mix	No specific data.
RNA Seq Second Strand + End Repair Enzyme Mix	Adverse symptoms may include the following: irritation watering redness
RNA Seq dA Tailing Master Mix	Adverse symptoms may include the following: irritation watering redness
RNA Seq PCR Master Mix	No specific data.
RNA Seq First Strand Master Mix	Adverse symptoms may include the following: irritation watering redness
Uracil DNA Glycosylase - UDG	Adverse symptoms may include the following: irritation watering redness
SureSelect Oligo Adaptor Mix	No specific data.
SureSelect Primer	No specific data.
RNA Seq Index 1-16, 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	Adverse symptoms may include the following: irritation watering redness

Section 4. First aid measures

Inhalation	:	SureSelect Ligation Master Mix	No specific data.
		RNA Seq Fragmentation Mix	No specific data.
		RNA Seq Second Strand + End	No specific data.
		Repair Enzyme Mix	
		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 1-16, 8 bp	No specific data.
		RNA Seq ILM Reverse PCR	No specific data.
		Primer	
		RNA Seq ILM Post-capture PCR	No specific data.
		Primer	
		RNA Seq Second Strand + End	No specific data.
		Repair Oligo Mix	
Skin contact	:	SureSelect Ligation Master Mix	No specific data.
		RNA Seq Fragmentation Mix	No specific data.
		RNA Seq Second Strand + End	No specific data.
		Repair Enzyme Mix	
		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 1-16, 8 bp	No specific data.
		RNA Seq ILM Reverse PCR	No specific data.
		Primer	
		RNA Seq ILM Post-capture PCR	No specific data.
		Primer	
		RNA Seq Second Strand + End	No specific data.
		Repair Oligo Mix	
Ingestion	:	SureSelect Ligation Master Mix	No specific data.
		RNA Seq Fragmentation Mix	No specific data.
		RNA Seq Second Strand + End	No specific data.
		Repair Enzyme Mix	
		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 1-16, 8 bp	No specific data.
		RNA Seq ILM Reverse PCR	No specific data.
		Primer	
		RNA Seq ILM Post-capture PCR	No specific data.
		Primer	
		RNA Seq Second Strand + End	No specific data.
		Repair Oligo Mix	

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

Section 4. First aid measures

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 1-16, 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.
SureSelect Oligo Adaptor Mix	No specific treatment.
SureSelect Primer	No specific treatment.
RNA Seq Index 1-16, 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.

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Protection of first-aiders	: SureSelect Ligation Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	RNA Seq Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training.
	RNA Seq Second Strand + End Repair Enzyme Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	RNA Seq dA Tailing Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	RNA Seq PCR Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	RNA Seq First Strand Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Uracil DNA Glycosylase - UDG	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	SureSelect Oligo Adaptor Mix	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Primer	No action shall be taken involving any personal risk or without suitable training.
	RNA Seq Index 1-16, 8 bp	No action shall be taken involving any personal risk or without suitable training.
	RNA Seq ILM Reverse PCR Primer	No action shall be taken involving any personal risk or without suitable training.
	RNA Seq ILM Post-capture PCR Primer	No action shall be taken involving any personal risk or without suitable training.
	RNA Seq Second Strand + End Repair Oligo Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting 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.

Section 5. Fire-fighting measures

	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 1-16, 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 1-16, 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.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	: 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 1-16, 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.

Section 5. Fire-fighting measures

Hazardous thermal decomposition products

RNA Seq Second Strand + End Repair Oligo Mix : SureSelect Ligation Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix	No specific data. 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 SureSelect Primer RNA Seq Index 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	No specific data. No specific data. No specific data. No specific data. No specific data. Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides

5.3 Advice for firefighters

Special protective actions 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	Promptly isolate the scene by removing all persons

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Repair Enzyme Mix	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 1-16, 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.
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.
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.
RNA Seq dA Tailing Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 5. Fire-fighting measures

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.
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.
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.
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.
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.
RNA Seq Index 1-16, 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.
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.
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.
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.

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 spilled material. Avoid breathing vapor 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 spilled 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

Section 6. Accidental release measures

RNA Seq dA Tailing Master Mix	touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 spilled material. Avoid breathing vapor 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 spilled material. Avoid breathing vapor 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
RNA Seq Index 1-16, 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 spilled material. Put on appropriate personal protective equipment.

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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 spilled material. Put on appropriate personal protective equipment.
RNA Seq ILM Post-capture PCR Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders : 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 1-16, 8 bp	If specialised clothing is required to deal with the spillage, take note of any information in Section 8

Section 6. Accidental release measures

RNA Seq ILM Reverse PCR Primer	on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq ILM Post-capture PCR Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq Second Strand + End Repair Oligo Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	
: SureSelect Ligation Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Fragmentation Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Second Strand + End Repair Enzyme Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq dA Tailing Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq PCR Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq First Strand Master Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Uracil DNA Glycosylase - UDG	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Oligo Adaptor Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has

Section 6. Accidental release measures

RNA Seq Index 1-16, 8 bp	caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq ILM Reverse PCR Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq ILM Post-capture PCR Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Second Strand + End Repair Oligo Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and 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 of via a licensed waste disposal contractor.
RNA Seq Second Strand + End Repair Enzyme Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq dA Tailing Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq PCR Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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,

Section 6. Accidental release measures

RNA Seq Index 1-16, 8 bp	absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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.

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 vapor 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 vapor 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 vapor 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). Do not breathe vapor 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 First Strand Master Mix	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and

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Uracil DNA Glycosylase - UDG	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. Put on appropriate personal protective equipment (see Section 8). Do not breathe vapor 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 1-16, 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 vapor 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

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

7.2 Conditions for safe storage, including any incompatibilities

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

Section 7. Handling and storage

RNA Seq Second Strand + End
Repair Enzyme Mix

contamination.

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

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 unlabeled 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 unlabeled 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 unlabeled 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 been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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

Section 7. Handling and storage

SureSelect Primer	<p>incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>
RNA Seq Index 1-16, 8 bp	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>
RNA Seq ILM Reverse PCR Primer	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>
RNA Seq ILM Post-capture PCR Primer	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>
RNA Seq Second Strand + End Repair Oligo Mix	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>

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upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

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 1-16, 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

Ingredient name	Exposure limits
SureSelect Ligation Master Mix Glycerol	OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 10 mg/m ³ 8 hours. Form: Total dust AIHA WEEL (United States, 5/2010). TWA: 10 mg/m ³ 8 hours. Form: Aerosol
Polyethylene glycol RNA Seq Second Strand + End Repair Enzyme Mix Glycerol	OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction

Section 8. Exposure controls/personal protection

RNA Seq dA Tailing Master Mix
Glycerol

Polyethylene glycol

RNA Seq PCR Master Mix
Glycerol

RNA Seq First Strand Master Mix
Glycerol

Uracil DNA Glycosylase - UDG
Glycerol

RNA Seq Second Strand + End Repair Oligo Mix
Glycerol

TWA: 15 mg/m³ 8 hours. Form: Total dust
OSHA PEL 1989 (United States, 3/1989).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 10 mg/m³ 8 hours. Form: Total dust

OSHA PEL (United States, 2/2013).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 15 mg/m³ 8 hours. Form: Total dust
OSHA PEL 1989 (United States, 3/1989).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 10 mg/m³ 8 hours. Form: Total dust
AIHA WEEL (United States, 5/2010).
TWA: 10 mg/m³ 8 hours. Form: Aerosol

OSHA PEL (United States, 2/2013).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 15 mg/m³ 8 hours. Form: Total dust
OSHA PEL 1989 (United States, 3/1989).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 10 mg/m³ 8 hours. Form: Total dust

OSHA PEL (United States, 2/2013).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 15 mg/m³ 8 hours. Form: Total dust
OSHA PEL 1989 (United States, 3/1989).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 10 mg/m³ 8 hours. Form: Total dust

OSHA PEL (United States, 2/2013).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 15 mg/m³ 8 hours. Form: Total dust
OSHA PEL 1989 (United States, 3/1989).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 10 mg/m³ 8 hours. Form: Total dust

OSHA PEL (United States, 2/2013).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 15 mg/m³ 8 hours. Form: Total dust
OSHA PEL 1989 (United States, 3/1989).
TWA: 5 mg/m³ 8 hours. Form: Respirable fraction
TWA: 10 mg/m³ 8 hours. Form: Total dust

8.2 Exposure controls

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor 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.

Section 8. Exposure controls/personal protection

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

Individual protection measures

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

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

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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

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

Respiratory protection : 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.

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	Liquid.
	Repair Enzyme Mix	
	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 1-16, 8 bp	Liquid.
	RNA Seq ILM Reverse PCR	Liquid.
	Primer	
	RNA Seq ILM Post-capture PCR	Liquid.
	Primer	
	RNA Seq Second Strand + End	Liquid.
	Repair Oligo Mix	

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Color	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation Mix	Not available.
		RNA Seq Second Strand + End	Not available.
		Repair 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 1-16, 8 bp	Not available.
		RNA Seq ILM Reverse PCR	Not available.
		Primer	
		RNA Seq ILM Post-capture PCR	Not available.
		Primer	
		RNA Seq Second Strand + End	Not available.
	Repair Oligo Mix		
Odor	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation Mix	Not available.
		RNA Seq Second Strand + End	Not available.
		Repair 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 1-16, 8 bp	Not available.
		RNA Seq ILM Reverse PCR	Not available.
		Primer	
		RNA Seq ILM Post-capture PCR	Not available.
		Primer	
		RNA Seq Second Strand + End	Not available.
	Repair Oligo Mix		
Odor threshold	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation Mix	Not available.
		RNA Seq Second Strand + End	Not available.
		Repair 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 1-16, 8 bp	Not available.
		RNA Seq ILM Reverse PCR	Not available.
		Primer	
		RNA Seq ILM Post-capture PCR	Not available.
		Primer	
		RNA Seq Second Strand + End	Not available.
	Repair Oligo Mix		
pH	:		

Section 9. Physical and chemical properties

SureSelect Ligation Master Mix	7.5
RNA Seq Fragmentation Mix	8.3
RNA Seq Second Strand + End	8.3
Repair Enzyme Mix	
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 1-16, 8 bp	7
RNA Seq ILM Reverse PCR	7
Primer	
RNA Seq ILM Post-capture PCR	7
Primer	
RNA Seq Second Strand + End	7.5
Repair Oligo Mix	

Melting point

: SureSelect Ligation Master Mix	Not available.
RNA Seq Fragmentation Mix	0°C (32°F)
RNA Seq Second Strand + End	Not available.
Repair 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	0°C (32°F)
SureSelect Primer	0°C (32°F)
RNA Seq Index 1-16, 8 bp	0°C (32°F)
RNA Seq ILM Reverse PCR	0°C (32°F)
Primer	
RNA Seq ILM Post-capture PCR	0°C (32°F)
Primer	
RNA Seq Second Strand + End	Not available.
Repair Oligo Mix	

Boiling point

: SureSelect Ligation Master Mix	Not available.
RNA Seq Fragmentation Mix	100°C (212°F)
RNA Seq Second Strand + End	Not available.
Repair 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 (212°F)
SureSelect Primer	100°C (212°F)
RNA Seq Index 1-16, 8 bp	100°C (212°F)
RNA Seq ILM Reverse PCR	100°C (212°F)
Primer	
RNA Seq ILM Post-capture PCR	100°C (212°F)
Primer	
RNA Seq Second Strand + End	Not available.
Repair Oligo Mix	

Section 9. Physical and chemical properties

Flash point	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation Mix	Not available.
		RNA Seq Second Strand + End	Not available.
		Repair 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 1-16, 8 bp	Not available.
		RNA Seq ILM Reverse PCR	Not available.
		Primer	
		RNA Seq ILM Post-capture PCR	Not available.
		Primer	
		RNA Seq Second Strand + End	Not available.
		Repair Oligo Mix	
Evaporation rate	:	SureSelect Ligation Master Mix	Not available.
		RNA Seq Fragmentation Mix	Not available.
		RNA Seq Second Strand + End	Not available.
		Repair 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 1-16, 8 bp	Not available.
		RNA Seq ILM Reverse PCR	Not available.
		Primer	
		RNA Seq ILM Post-capture PCR	Not available.
		Primer	
		RNA Seq Second Strand + End	Not available.
		Repair Oligo Mix	
Flammability (solid, gas)	:	SureSelect Ligation Master Mix	Not applicable.
		RNA Seq Fragmentation Mix	Not applicable.
		RNA Seq Second Strand + End	Not applicable.
		Repair Enzyme Mix	
		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 1-16, 8 bp	Not applicable.
		RNA Seq ILM Reverse PCR	Not applicable.
		Primer	
		RNA Seq ILM Post-capture PCR	Not applicable.
		Primer	
		RNA Seq Second Strand + End	Not applicable.
		Repair Oligo Mix	

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits	:	<ul style="list-style-type: none"> 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix 	<ul style="list-style-type: none"> Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Vapor pressure	:	<ul style="list-style-type: none"> 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix 	<ul style="list-style-type: none"> Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Vapor density	:	<ul style="list-style-type: none"> 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix 	<ul style="list-style-type: none"> Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.

Section 9. Physical and chemical properties

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 1-16, 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	: SureSelect Ligation Master Mix
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 1-16, 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.
Solubility in water		: SureSelect Ligation Master Mix
	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 1-16, 8 bp	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-capture PCR Primer	Not available.
	RNA Seq ILM Post-capture PCR Primer	Not available.
	RNA Seq ILM Post-capture PCR Primer	Not available.

Section 9. Physical and chemical properties

	RNA Seq Second Strand + End Repair Oligo Mix	Not available.
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 1-16, 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 1-16, 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 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 1-16, 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 9. Physical and chemical properties

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 1-16, 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 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 1-16, 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 1-16, 8 bp	The product is stable.
	RNA Seq ILM Reverse PCR	The product is stable.

Section 10. Stability and reactivity

	Primer	The product is stable.
	RNA Seq ILM Post-capture PCR Primer	
	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 1-16, 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 1-16, 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 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
10.6 Hazardous decomposition products	: 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
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	-

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	-
Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
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	-

Section 11. Toxicological information

Polyethylene glycol	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
RNA Seq PCR Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
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	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Section 11. Toxicological information

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)

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	Category 2	Inhalation	kidneys
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
RNA Seq Second Strand + End Repair Oligo Mix Glycerol	Category 2	Inhalation	kidneys

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact	: 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 1-16, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End	Causes eye irritation. No known significant effects or critical hazards. Causes eye irritation. Causes eye irritation. No known significant effects or critical hazards. Causes eye irritation. Causes eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Causes eye irritation.
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Section 11. Toxicological information

	Repair Oligo Mix	
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	No known significant effects or critical hazards.
	Repair Enzyme Mix	
	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 1-16, 8 bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq ILM Post-capture PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq Second Strand + End	No known significant effects or critical hazards.
	Repair Oligo Mix	
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	No known significant effects or critical hazards.
	Repair Enzyme Mix	
	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 1-16, 8 bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq ILM Post-capture PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq Second Strand + End	No known significant effects or critical hazards.
	Repair Oligo Mix	
Ingestion	: SureSelect Ligation Master Mix	May be irritating to mouth, throat and stomach.
	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	RNA Seq Second Strand + End	May be irritating to mouth, throat and stomach.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	May be irritating to mouth, throat and stomach.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	May be irritating to mouth, throat and stomach.
	Uracil DNA Glycosylase - UDG	May be irritating to mouth, throat and stomach.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	RNA Seq Index 1-16, 8 bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq ILM Post-capture PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq Second Strand + End	May be irritating to mouth, throat and stomach.
	Repair Oligo Mix	

[Symptoms related to the physical, chemical and toxicological characteristics](#)

Section 11. Toxicological information

Eye contact	: SureSelect Ligation Master Mix	Adverse symptoms may include the following: irritation watering redness
	RNA Seq Fragmentation Mix	No specific data.
	RNA Seq Second Strand + End Repair Enzyme Mix	Adverse symptoms may include the following: irritation watering redness
	RNA Seq dA Tailing Master Mix	Adverse symptoms may include the following: irritation watering redness
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	Adverse symptoms may include the following: irritation watering redness
	Uracil DNA Glycosylase - UDG	Adverse symptoms may include the following: irritation watering redness
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	RNA Seq Index 1-16, 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	Adverse symptoms may include the following: irritation watering redness
	Inhalation	: SureSelect Ligation Master Mix
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 1-16, 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
	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.	

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	SureSelect Primer	No specific data.
	RNA Seq Index 1-16, 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 1-16, 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

Not available.

General	: SureSelect Ligation Master Mix	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	May cause damage to organs through prolonged or repeated exposure.
	RNA Seq dA Tailing Master Mix	May cause damage to organs through prolonged or repeated exposure.
	RNA Seq PCR Master Mix	May cause damage to organs through prolonged or repeated exposure.
	RNA Seq First Strand Master Mix	May cause damage to organs through prolonged or repeated exposure.
	Uracil DNA Glycosylase - UDG	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 1-16, 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	May cause damage to organs through prolonged or repeated exposure.
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 1-16, 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 1-16, 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 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 1-16, 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

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 1-16, 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 1-16, 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.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
RNA Seq Second Strand + End Repair Enzyme Mix Oral	192592.6 mg/kg
RNA Seq Second Strand + End Repair Oligo Mix Oral	192592.6 mg/kg

Other information	: 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 1-16, 8 bp	Not available.

Section 11. Toxicological information

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 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
SureSelect Ligation Master Mix Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
RNA Seq Second Strand + End Repair Enzyme Mix Potassium chloride	Acute EC50 1337000 µg/l Fresh water Acute EC50 9.24 g/L Fresh water	Algae - Navicula seminulum Algae - Desmodesmus subspicatus	96 hours 72 hours
	Acute EC50 83000 µg/l Fresh water Acute LC50 9.68 mg/l Fresh water	Daphnia - Daphnia magna Crustaceans - Pseudosida ramosa - Neonate	48 hours 48 hours
	Acute LC50 880000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
RNA Seq dA Tailing Master Mix Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
RNA Seq Second Strand + End Repair Oligo Mix Potassium chloride	Acute EC50 1337000 µg/l Fresh water Acute EC50 9.24 g/L Fresh water	Algae - Navicula seminulum Algae - Desmodesmus subspicatus	96 hours 72 hours
	Acute EC50 83000 µg/l Fresh water Acute LC50 9.68 mg/l Fresh water	Daphnia - Daphnia magna Crustaceans - Pseudosida ramosa - Neonate	48 hours 48 hours
	Acute LC50 880000 µg/l Fresh water	Fish - Pimephales promelas	96 hours

12.2 Persistence and degradability

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

Section 12. Ecological information

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.

12.5 Other adverse 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 1-16, 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 13. Disposal considerations

13.1 Waste treatment methods

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

Section 13. Disposal considerations

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

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

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

Section 14. Transport information

Regulatory information

DOT / IMDG / IATA : Not regulated.

Section 15. Regulatory information

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

U.S. Federal regulations : **TSCA 8(a) PAIR**: Poly(oxy-1,2-ethanediyl), .alpha.-[4-(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-
United States inventory (TSCA 8b): Not determined.
Clean Water Act (CWA) 311: Disodium hydrogenorthophosphate; Edetic acid

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

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Section 15. Regulatory information

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
SureSelect Ligation Master Mix						
Glycerol	30 - 60	No.	No.	No.	Yes.	Yes.
Polyethylene glycol	5 - 10	Yes.	No.	No.	Yes.	No.
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1 - 5	No.	No.	No.	Yes.	No.
RNA Seq Second Strand + End Repair Enzyme Mix						
Glycerol	10 - 30	No.	No.	No.	Yes.	Yes.
Potassium chloride	1 - 5	No.	No.	No.	Yes.	No.
RNA Seq dA Tailing Master Mix						
Glycerol	10 - 30	No.	No.	No.	Yes.	Yes.
Polyethylene glycol	5 - 10	Yes.	No.	No.	Yes.	No.
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1 - 5	No.	No.	No.	Yes.	No.
RNA Seq PCR Master Mix						
Glycerol	5 - 10	No.	No.	No.	Yes.	Yes.
RNA Seq First Strand Master Mix						
Glycerol	10 - 30	No.	No.	No.	Yes.	Yes.
Uracil DNA Glycosylase - UDG						
Glycerol	60 - 100	No.	No.	No.	Yes.	Yes.
RNA Seq Second Strand + End Repair Oligo Mix						
Glycerol	10 - 30	No.	No.	No.	Yes.	Yes.
Potassium chloride	1 - 5	No.	No.	No.	Yes.	No.

State regulations

- Massachusetts** : The following components are listed: GLYCERINE MIST
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: GLYCERIN; 1,2,3-PROPANETRIOL
- Pennsylvania** : The following components are listed: 1,2,3-PROPANETRIOL
- California Prop. 65**

No products were found.

Canada inventory : Not determined.

International regulations

- International lists** :
- Australia inventory (AICS)**: Not determined.
 - China inventory (IECSC)**: Not determined.
 - Japan inventory**: Not determined.
 - Korea inventory**: Not determined.
 - Malaysia Inventory (EHS Register)**: Not determined.
 - New Zealand Inventory of Chemicals (NZIoC)**: Not determined.
 - Philippines inventory (PICCS)**: Not determined.
 - Taiwan inventory (CSNN)**: Not determined.

Section 15. Regulatory information

Chemical Weapons : Not listed

Convention List Schedule

I Chemicals

Chemical Weapons : Not listed

Convention List Schedule

II Chemicals

Chemical Weapons : Not listed

Convention List Schedule

III Chemicals

Section 16. Other information

History

Date of issue : 10/02/2014.

Date of previous issue : 03/04/2013.

Version : 2

✔ Indicates information that has changed from previously issued version.

Note * : *RNA Seq Index 1-16, 8 bp: 5190-6375, 5190-6376, 5190-6377, 5190-6378, 5190-6379, 5190-6380, 5190-6381, 5190-6382, 5190-6383, 5190-6384, 5190-6385, 5190-6386, 5190-6387, 5190-6388, 5190-6389, 5190-6390

Notice to reader

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