

SAFETY DATA SHEET

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

Section 1. Identification

1.1 Product identifier

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

Part no. (chemical kit) : 5500-0135

Part no. : RNA Seq Fragmentation Mix 5190-6391
 SureSelect Ligation Master Mix 5190-3807
 RNA Seq Second-strand + End-Repair Enzyme Mix 5190-7764
 RNA Seq dA Tailing Master Mix 5190-6394
 RNA Seq PCR Master Mix 5190-6396
 RNA Seq First Strand Master Mix 5190-6392
 Uracil DNA Glycosylase (UDG) 5190-6397
 SureSelect Oligo Adaptor Mix 5190-6395
 SureSelect Primer 5190-3620
 SureSelect XT Indexes A01 through H12, 8-bp 5190-7928
 RNA Seq ILM Reverse PCR Primer 5190-6398
 RNA Seq ILM Post-Capture PCR Primer 5190-6399
 RNA Seq Second-strand + End-Repair Oligo Mix 5190-7765

Validation date : 5/25/2018

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

Material uses : Analytical reagent.

RNA Seq Fragmentation Mix 2.9 ml (96 reactions)
 SureSelect Ligation Master Mix 0.8 ml (96 reactions)
 RNA Seq Second-strand + End-Repair Enzyme Mix 3 ml (96 reactions)
 RNA Seq dA Tailing Master Mix 3.1 ml (96 reactions)
 RNA Seq PCR Master Mix 6.7 ml (96 reactions)
 RNA Seq First Strand Master Mix 1.1 ml (96 reactions)
 Uracil DNA Glycosylase (UDG) 0.135 ml (96 reactions)
 SureSelect Oligo Adaptor Mix 0.77 ml (96 reactions)
 SureSelect Primer 0.3 ml (16 reactions)
 SureSelect XT Indexes A01 through H12, 8-bp 1.44 ml(96 reactions)
 RNA Seq ILM Reverse PCR Primer 0.135 ml (96 reactions)
 RNA Seq ILM Post-Capture PCR Primer 0.135 ml (96 reactions)
 RNA Seq Second-strand + End-Repair Oligo Mix 0.7 ml (96 reactions)

1.3 Details of the supplier of the safety data sheet

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

1.4 Emergency telephone number

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

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status	: RNA Seq Fragmentation Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect Ligation Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	RNA Seq Second-strand + End-Repair Enzyme Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	RNA Seq dA Tailing Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	RNA Seq PCR Master Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	RNA Seq First Strand Master Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Uracil DNA Glycosylase (UDG)	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	SureSelect Oligo Adaptor Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect XT Indexes A01 through H12, 8-bp	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	RNA Seq ILM Reverse PCR Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	RNA Seq ILM Post-Capture PCR Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	RNA Seq Second-strand + End-Repair Oligo Mix	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Section 2. Hazards identification

SureSelect Ligation Master Mix
H319 EYE IRRITATION - Category 2A

**RNA Seq Second-strand + End-
Repair Enzyme Mix**
H320 EYE IRRITATION - Category 2B

RNA Seq dA Tailing Master Mix
H319 EYE IRRITATION - Category 2A

**RNA Seq First Strand Master
Mix**
H320 EYE IRRITATION - Category 2B

Uracil DNA Glycosylase (UDG)
H320 EYE IRRITATION - Category 2B

**RNA Seq Second-strand + End-
Repair Oligo Mix**
H320 EYE IRRITATION - Category 2B

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

[2.2 GHS label elements](#)

Section 2. Hazards identification

Hazard pictograms

SureSelect Ligation Master Mix



RNA Seq dA Tailing Master Mix



Signal word

RNA Seq Fragmentation Mix	No signal word.
SureSelect Ligation Master Mix	Warning
RNA Seq Second-strand + End- Repair Enzyme Mix	Warning
RNA Seq dA Tailing Master Mix	Warning
RNA Seq PCR Master Mix	No signal word.
RNA Seq First Strand Master Mix	Warning
Uracil DNA Glycosylase (UDG)	Warning
SureSelect Oligo Adaptor Mix	No signal word.
SureSelect Primer	No signal word.
SureSelect XT Indexes A01 through H12, 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

RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
SureSelect Ligation Master Mix	H319 - Causes serious eye irritation.
RNA Seq Second-strand + End- Repair Enzyme Mix	H320 - Causes eye irritation.
RNA Seq dA Tailing Master Mix	H319 - Causes serious eye irritation.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	H320 - Causes eye irritation.
Uracil DNA Glycosylase (UDG)	H320 - Causes eye irritation.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect XT Indexes A01 through H12, 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.

Precautionary statements

Prevention

RNA Seq Fragmentation Mix	Not applicable.
SureSelect Ligation Master Mix	P280 - Wear eye or face protection.
RNA Seq Second-strand + End- Repair Enzyme Mix	P264 - Wash hands thoroughly after handling.
RNA Seq dA Tailing Master Mix	P264 - Wash hands thoroughly after handling.
RNA Seq PCR Master Mix	P280 - Wear eye or face protection.
RNA Seq First Strand Master Mix	P264 - Wash hands thoroughly after handling.
Uracil DNA Glycosylase (UDG)	Not applicable.
SureSelect Oligo Adaptor Mix	P264 - Wash hands thoroughly after handling.
	Not applicable.

Section 2. Hazards identification

	SureSelect Primer	Not applicable.
	SureSelect XT Indexes A01 through H12, 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	P264 - Wash hands thoroughly after handling.
Response	: RNA Seq Fragmentation Mix	Not applicable.
	SureSelect Ligation Master Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	RNA Seq Second-strand + End-Repair Enzyme Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	RNA Seq dA Tailing Master Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	RNA Seq PCR Master Mix	Not applicable.
	RNA Seq First Strand Master Mix	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	Uracil DNA Glycosylase (UDG)	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
	SureSelect Oligo Adaptor Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect XT Indexes A01 through H12, 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	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.

Section 2. Hazards identification

Storage	:	RNA Seq Fragmentation Mix	Not applicable.
		SureSelect Ligation Master Mix	Not applicable.
		RNA Seq Second-strand + End- Repair Enzyme Mix	Not applicable.
		RNA Seq dA Tailing Master Mix	Not applicable.
		RNA Seq PCR Master Mix	Not applicable.
		RNA Seq First Strand Master Mix	Not applicable.
		Uracil DNA Glycosylase (UDG)	Not applicable.
		SureSelect Oligo Adaptor Mix	Not applicable.
		SureSelect Primer	Not applicable.
		SureSelect XT Indexes A01 through H12, 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	Not applicable.		
RNA Seq Second-strand + End- Repair Enzyme Mix	Not applicable.		
RNA Seq dA Tailing Master Mix	Not applicable.		
RNA Seq PCR Master Mix	Not applicable.		
RNA Seq First Strand Master Mix	Not applicable.		
Uracil DNA Glycosylase (UDG)	Not applicable.		
SureSelect Oligo Adaptor Mix	Not applicable.		
SureSelect Primer	Not applicable.		
SureSelect XT Indexes A01 through H12, 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.		
Supplemental label elements	:		
		SureSelect Ligation Master Mix	None known.
		RNA Seq Second-strand + End- Repair Enzyme Mix	None known.
		RNA Seq dA Tailing Master Mix	None known.
		RNA Seq PCR Master Mix	None known.
		RNA Seq First Strand Master Mix	None known.
		Uracil DNA Glycosylase (UDG)	None known.
		SureSelect Oligo Adaptor Mix	None known.
		SureSelect Primer	None known.
		SureSelect XT Indexes A01 through H12, 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.

2.3 Other hazards

Section 2. Hazards identification

Hazards not otherwise classified	: RNA Seq Fragmentation Mix	None known.
	SureSelect Ligation Master Mix	None known.
	RNA Seq Second-strand + End-Repair Enzyme Mix	None known.
	RNA Seq dA Tailing Master Mix	None known.
	RNA Seq PCR Master Mix	None known.
	RNA Seq First Strand Master Mix	None known.
	Uracil DNA Glycosylase (UDG)	None known.
	SureSelect Oligo Adaptor Mix	None known.
	SureSelect Primer	None known.
	SureSelect XT Indexes A01 through H12, 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	: RNA Seq Fragmentation Mix	Mixture
	SureSelect Ligation Master Mix	Mixture
	RNA Seq Second-strand + End-Repair Enzyme Mix	Mixture
	RNA Seq dA Tailing Master Mix	Mixture
	RNA Seq PCR Master Mix	Mixture
	RNA Seq First Strand Master Mix	Mixture
	Uracil DNA Glycosylase (UDG)	Mixture
	SureSelect Oligo Adaptor Mix	Mixture
	SureSelect Primer	Mixture
	SureSelect XT Indexes A01 through H12, 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	≥25 - ≤50	56-81-5
Polyethylene glycol	≥10 - ≤17	25322-68-3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≤2.7	1185-53-1
RNA Seq Second-strand + End-Repair Enzyme Mix		
Glycerol	≥10 - ≤25	56-81-5
Potassium chloride	≤3	7447-40-7
RNA Seq dA Tailing Master Mix		
Glycerol	≥10 - ≤25	56-81-5
Polyethylene glycol	≥10 - ≤17	25322-68-3
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≤2.7	1185-53-1
RNA Seq PCR Master Mix		
Glycerol	<10	56-81-5
RNA Seq First Strand Master Mix		

Section 3. Composition/information on ingredients

Glycerol	≥10 - ≤25	56-81-5
Uracil DNA Glycosylase (UDG)		
Glycerol	≥50 - ≤75	56-81-5
RNA Seq Second-strand + End-Repair Oligo Mix		
Glycerol	≥10 - ≤25	56-81-5
Potassium chloride	≤3	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	: RNA Seq Fragmentation Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Ligation Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	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. If irritation persists, get medical attention.
	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.
	RNA Seq PCR Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq First Strand Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	Uracil DNA Glycosylase (UDG)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	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.

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	SureSelect XT Indexes A01 through H12, 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. If irritation persists, get medical attention.
Inhalation	: RNA Seq Fragmentation Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect Ligation Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	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 if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	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 if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a

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	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. Get medical attention if symptoms occur.
RNA Seq First Strand Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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 if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Oligo Adaptor Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect XT Indexes A01 through H12, 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 if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Skin contact	: RNA Seq Fragmentation Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Ligation Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. 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. Get medical attention if symptoms occur. 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. Get medical attention if symptoms occur.
	RNA Seq First Strand Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Uracil DNA Glycosylase (UDG)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	SureSelect Oligo Adaptor Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT Indexes A01 through H12, 8-bp	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq ILM Reverse PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq ILM Post-Capture PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq Second-strand + End-Repair Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: RNA Seq Fragmentation Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureSelect Ligation Master Mix	Wash out mouth with water. Remove dentures if

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RNA Seq Second-strand + End- Repair Enzyme Mix	<p>any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
RNA Seq dA Tailing Master Mix	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
RNA Seq PCR Master Mix	<p>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.</p>
RNA Seq First Strand Master Mix	<p>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.</p>

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	<p>Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
Uracil DNA Glycosylase (UDG)	<p>Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
SureSelect Oligo Adaptor Mix	<p>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.</p>
SureSelect Primer	<p>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.</p>
SureSelect XT Indexes A01 through H12, 8-bp	<p>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.</p>
RNA Seq ILM Reverse PCR Primer	<p>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.</p>
RNA Seq ILM Post-Capture PCR Primer	<p>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</p>

Section 4. First aid measures

RNA Seq Second-strand + End-
Repair Oligo Mix

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

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

- | | |
|---|--|
| <ul style="list-style-type: none"> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01
through H12, 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"> No known significant effects or critical hazards. Causes serious eye irritation. Causes eye irritation. Causes serious 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

- | | |
|--|---|
| <ul style="list-style-type: none"> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01
through H12, 8-bp RNA Seq ILM Reverse PCR
Primer RNA Seq ILM Post-Capture PCR
Primer RNA Seq Second-strand + End- | <ul style="list-style-type: none"> 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. No known significant effects or critical hazards. No known significant effects or critical hazards. |
|--|---|

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Skin contact

Repair Oligo Mix	
: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
SureSelect Ligation Master Mix	No known significant effects or critical hazards.
RNA Seq Second-strand + End- Repair Enzyme Mix	No known significant effects or critical hazards.
RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect XT Indexes A01 through H12, 8-bp	No known significant effects or critical hazards.
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
RNA Seq Second-strand + End- Repair Oligo Mix	No known significant effects or critical hazards.

Ingestion

: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
SureSelect Ligation Master Mix	No known significant effects or critical hazards.
RNA Seq Second-strand + End- Repair Enzyme Mix	No known significant effects or critical hazards.
RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect XT Indexes A01 through H12, 8-bp	No known significant effects or critical hazards.
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
RNA Seq Second-strand + End- Repair Oligo Mix	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact

: RNA Seq Fragmentation Mix	No specific data.
SureSelect Ligation Master Mix	Adverse symptoms may include the following: pain or irritation watering redness
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: pain or 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

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	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.
	SureSelect XT Indexes A01 through H12, 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	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT Indexes A01 through H12, 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	: RNA Seq Fragmentation Mix	No specific data.
	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase (UDG)	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect XT Indexes A01 through H12, 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.

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Ingestion	:	RNA Seq Fragmentation Mix	No specific data.
		SureSelect Ligation Master Mix	No specific data.
		RNA Seq Second-strand + End- Repair Enzyme Mix	No specific data.
		RNA Seq dA Tailing Master Mix	No specific data.
		RNA Seq PCR Master Mix	No specific data.
		RNA Seq First Strand Master Mix	No specific data.
		Uracil DNA Glycosylase (UDG)	No specific data.
		SureSelect Oligo Adaptor Mix	No specific data.
		SureSelect Primer	No specific data.
		SureSelect XT Indexes A01 through H12, 8-bp	No specific data.
		RNA Seq ILM Reverse PCR Primer	No specific data.
		RNA Seq ILM Post-Capture PCR Primer	No specific data.
		RNA Seq Second-strand + End- Repair Oligo Mix	No specific data.

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

Notes to physician	:	RNA Seq Fragmentation Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureSelect Ligation Master Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		RNA Seq Second-strand + End- Repair Enzyme Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RNA Seq dA Tailing Master Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
		RNA Seq PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		RNA Seq First Strand Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		Uracil DNA Glycosylase (UDG)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureSelect Oligo Adaptor Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureSelect Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
		SureSelect XT Indexes A01 through H12, 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.

Section 4. First aid measures

	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	: RNA Seq Fragmentation Mix	No specific treatment.
	SureSelect Ligation Master Mix	No specific treatment.
	RNA Seq Second-strand + End- Repair Enzyme Mix	No specific treatment.
	RNA Seq dA Tailing Master Mix	No specific treatment.
	RNA Seq PCR Master Mix	No specific treatment.
	RNA Seq First Strand Master Mix	No specific treatment.
	Uracil DNA Glycosylase (UDG)	No specific treatment.
	SureSelect Oligo Adaptor Mix	No specific treatment.
	SureSelect Primer	No specific treatment.
	SureSelect XT Indexes A01 through H12, 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.
Protection of first-aiders	: RNA Seq Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Ligation Master Mix	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	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.
	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.
	SureSelect XT Indexes A01 through H12, 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

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resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

RNA Seq Fragmentation Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Ligation Master Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq Second-strand + End-Repair Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq dA Tailing Master Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq First Strand Master Mix	Use an extinguishing agent suitable for the surrounding fire.
Uracil DNA Glycosylase (UDG)	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Oligo Adaptor Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Primer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect XT Indexes A01 through H12, 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

RNA Seq Fragmentation Mix	None known.
SureSelect Ligation Master Mix	None known.
RNA Seq Second-strand + End-Repair Enzyme Mix	None known.
RNA Seq dA Tailing Master Mix	None known.
RNA Seq PCR Master Mix	None known.
RNA Seq First Strand Master Mix	None known.
Uracil DNA Glycosylase (UDG)	None known.
SureSelect Oligo Adaptor Mix	None known.
SureSelect Primer	None known.
SureSelect XT Indexes A01 through H12, 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

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Specific hazards arising from the chemical

: RNA Seq Fragmentation Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Ligation Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq Second-strand + End-Repair Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq dA Tailing Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq First Strand Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Uracil DNA Glycosylase (UDG)	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Oligo Adaptor Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect XT Indexes A01 through H12, 8-bp	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq ILM Reverse PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq ILM Post-Capture PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq Second-strand + End-Repair Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products

: RNA Seq Fragmentation Mix	No specific data.
SureSelect Ligation Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
RNA Seq Second-strand + End-Repair Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
RNA Seq dA Tailing Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
RNA Seq PCR Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
RNA Seq First Strand Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Uracil DNA Glycosylase (UDG)	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect Oligo Adaptor Mix	No specific data.
SureSelect Primer	No specific data.

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SureSelect XT Indexes A01 through H12, 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	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

RNA Seq Fragmentation Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Ligation Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
RNA Seq Second-strand + End-Repair Enzyme Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
RNA Seq dA Tailing Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be 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.
SureSelect XT Indexes A01 through H12, 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.

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Special protective equipment for fire-fighters

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.
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.
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 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.
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.
SureSelect XT Indexes A01 through H12, 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

Section 5. Fire-fighting measures

pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: 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.

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 Second-strand + End-
Repair Enzyme Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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 dA Tailing Master Mix

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

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. 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

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SureSelect Oligo Adaptor Mix	ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
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.
SureSelect XT Indexes A01 through H12, 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.
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 : RNA Seq Fragmentation Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Ligation Master Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq Second-strand + End-Repair Enzyme Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq dA Tailing Master Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq PCR Master Mix	If specialized clothing is required to deal with the

Section 6. Accidental release measures

RNA Seq First Strand Master Mix	spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Uracil DNA Glycosylase (UDG)	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Oligo Adaptor Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect XT Indexes A01 through H12, 8-bp	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq ILM Reverse PCR Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq ILM Post-Capture PCR Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
RNA Seq Second-strand + End-Repair Oligo Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: 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).
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 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

Section 6. Accidental release measures

RNA Seq First Strand Master Mix	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).
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 caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT Indexes A01 through H12, 8-bp	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

Methods for cleaning up : RNA Seq Fragmentation Mix

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

SureSelect Ligation Master Mix

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

RNA Seq Second-strand + End-Repair Enzyme Mix

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.

Section 6. Accidental release measures

	Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq dA Tailing Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq PCR Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq First Strand Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Uracil DNA Glycosylase (UDG)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Oligo Adaptor Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT Indexes A01 through H12, 8-bp	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq ILM Reverse PCR Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq ILM Post-Capture PCR Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
RNA Seq Second-strand + End-	Stop leak if without risk. Move containers from spill

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Repair Oligo Mix

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

: RNA Seq Fragmentation Mix

Put on appropriate personal protective equipment (see Section 8).

SureSelect Ligation Master Mix

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

RNA Seq Second-strand + End-
Repair Enzyme Mix

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

RNA Seq dA Tailing Master Mix

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

RNA Seq PCR Master Mix

Put on appropriate personal protective equipment (see Section 8).

RNA Seq First Strand Master Mix

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

Uracil DNA Glycosylase (UDG)

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

SureSelect Oligo Adaptor Mix

Put on appropriate personal protective equipment (see Section 8).

SureSelect Primer

Put on appropriate personal protective equipment (see Section 8).

SureSelect XT Indexes A01
through H12, 8-bp

Put on appropriate personal protective equipment (see Section 8).

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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 ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	
: RNA Seq Fragmentation Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Ligation Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq Second-strand + End-Repair Enzyme Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq dA Tailing Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq PCR Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq First Strand Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Uracil DNA Glycosylase (UDG)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment

Section 7. Handling and storage

SureSelect Oligo Adaptor Mix	before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect XT Indexes A01 through H12, 8-bp	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq ILM Reverse PCR Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq ILM Post-Capture PCR Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
RNA Seq Second-strand + End-Repair Oligo Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

: 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 contamination. See Section 10 for incompatible materials before handling or use.

SureSelect Ligation Master Mix

Store in accordance with local regulations. Store in original container protected from direct sunlight in a

Section 7. Handling and storage

RNA Seq Second-strand + End-
Repair Enzyme Mix

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

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

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. See Section 10 for incompatible materials before handling or use.

RNA Seq PCR Master Mix

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

RNA Seq First Strand Master Mix

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

Uracil DNA Glycosylase (UDG)

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been

Section 7. Handling and storage

SureSelect Oligo Adaptor Mix

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

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

SureSelect Primer

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

SureSelect XT Indexes A01 through H12, 8-bp

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

RNA Seq ILM Reverse PCR Primer

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

RNA Seq ILM Post-Capture PCR Primer

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

Section 7. Handling and storage

RNA Seq Second-strand + End-
Repair Oligo Mix

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

7.3 Specific end use(s)

Recommendations

- : RNA Seq Fragmentation Mix Industrial applications, Professional applications.
- SureSelect Ligation Master Mix Industrial applications, Professional applications.
- RNA Seq Second-strand + End-
Repair Enzyme Mix Industrial applications, Professional applications.
- RNA Seq dA Tailing Master Mix Industrial applications, Professional applications.
- RNA Seq PCR Master Mix Industrial applications, Professional applications.
- RNA Seq First Strand Master Mix Industrial applications, Professional applications.
- Uracil DNA Glycosylase (UDG) Industrial applications, Professional applications.
- SureSelect Oligo Adaptor Mix Industrial applications, Professional applications.
- SureSelect Primer Industrial applications, Professional applications.
- SureSelect XT Indexes A01
through H12, 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

- : RNA Seq Fragmentation Mix Not applicable.
- SureSelect Ligation Master Mix Not applicable.
- RNA Seq Second-strand + End-
Repair Enzyme Mix Not applicable.
- RNA Seq dA Tailing Master Mix Not applicable.
- RNA Seq PCR Master Mix Not applicable.
- RNA Seq First Strand Master Mix Not applicable.
- Uracil DNA Glycosylase (UDG) Not applicable.
- SureSelect Oligo Adaptor Mix Not applicable.
- SureSelect Primer Not applicable.
- SureSelect XT Indexes A01
through H12, 8-bp Not applicable.
- RNA Seq ILM Reverse PCR
Primer Not applicable.
- RNA Seq ILM Post-Capture PCR
Primer Not applicable.
- RNA Seq Second-strand + End-
Repair Oligo Mix Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
<p>SureSelect Ligation Master Mix Glycerol</p> <p>Polyethylene glycol</p> <p>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</p>	<p>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, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust AIHA WEEL (United States, 10/2011). TWA: 10 mg/m³ 8 hours. Form: Aerosol None.</p>
<p>RNA Seq Second-strand + End-Repair Enzyme Mix Glycerol</p> <p>Potassium chloride</p>	<p>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, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust None.</p>
<p>RNA Seq dA Tailing Master Mix Glycerol</p> <p>Polyethylene glycol</p> <p>2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride</p>	<p>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, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust AIHA WEEL (United States, 10/2011). TWA: 10 mg/m³ 8 hours. Form: Aerosol None.</p>
<p>RNA Seq PCR Master Mix Glycerol</p>	<p>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, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p>
<p>RNA Seq First Strand Master Mix Glycerol</p>	<p>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, 6/2016).</p>

Section 8. Exposure controls/personal protection

<p>Uracil DNA Glycosylase (UDG) Glycerol</p>	<p>TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p> <p>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, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust</p>
<p>RNA Seq Second-strand + End-Repair Oligo Mix Glycerol</p> <p>Potassium chloride</p>	<p>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, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust None.</p>

8.2 Exposure controls

Appropriate engineering controls

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

Environmental exposure controls

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

Individual protection measures

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.

Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	<ul style="list-style-type: none"> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 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"> Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid. Liquid.
Color	:	<ul style="list-style-type: none"> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 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.
Odor	:	<ul style="list-style-type: none"> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 	<ul style="list-style-type: none"> Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.

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	SureSelect XT Indexes A01 through H12, 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.
Odor threshold	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 8-bp	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-Capture PCR Primer	Not available.
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
pH	: RNA Seq Fragmentation Mix	8.3
	SureSelect Ligation Master Mix	7.5
	RNA Seq Second-strand + End-Repair Enzyme Mix	8.3
	RNA Seq dA Tailing Master Mix	7.5
	RNA Seq PCR Master Mix	8.8
	RNA Seq First Strand Master Mix	8.3
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	7.5
	SureSelect XT Indexes A01 through H12, 8-bp	7
	RNA Seq ILM Reverse PCR Primer	7
	RNA Seq ILM Post-Capture PCR Primer	7
	RNA Seq Second-strand + End-Repair Oligo Mix	7.5
Melting point	: RNA Seq Fragmentation Mix	0°C (32°F)
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	0°C (32°F)
	SureSelect Primer	0°C (32°F)
	SureSelect XT Indexes A01 through H12, 8-bp	0°C (32°F)
	RNA Seq ILM Reverse PCR Primer	0°C (32°F)

Section 9. Physical and chemical properties

	RNA Seq ILM Post-Capture PCR Primer	0°C (32°F)
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
Boiling point	: RNA Seq Fragmentation Mix	100°C (212°F)
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	100°C (212°F)
	SureSelect Primer	100°C (212°F)
	SureSelect XT Indexes A01 through H12, 8-bp	100°C (212°F)
	RNA Seq ILM Reverse PCR Primer	100°C (212°F)
	RNA Seq ILM Post-Capture PCR Primer	100°C (212°F)
	RNA Seq Second-strand + End-Repair Oligo Mix	Not available.
Flash point	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 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.
Evaporation rate	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 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

Flammability (solid, gas)	:	RNA Seq Fragmentation Mix	Not applicable.		
		SureSelect Ligation Master Mix	Not applicable.		
		RNA Seq Second-strand + End- Repair Enzyme Mix	Not applicable.		
		RNA Seq dA Tailing Master Mix	Not applicable.		
		RNA Seq PCR Master Mix	Not applicable.		
		RNA Seq First Strand Master Mix	Not applicable.		
		Uracil DNA Glycosylase (UDG)	Not applicable.		
		SureSelect Oligo Adaptor Mix	Not applicable.		
		SureSelect Primer	Not applicable.		
		SureSelect XT Indexes A01 through H12, 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.		
		Lower and upper explosive (flammable) limits	:	RNA Seq Fragmentation Mix	Not available.
				SureSelect Ligation Master Mix	Not available.
RNA Seq Second-strand + End- Repair Enzyme Mix	Not available.				
RNA Seq dA Tailing Master Mix	Not available.				
RNA Seq PCR Master Mix	Not available.				
RNA Seq First Strand Master Mix	Not available.				
Uracil DNA Glycosylase (UDG)	Not available.				
SureSelect Oligo Adaptor Mix	Not available.				
SureSelect Primer	Not available.				
SureSelect XT Indexes A01 through H12, 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.				
Vapor pressure	:			RNA Seq Fragmentation Mix	Not available.
				SureSelect Ligation Master Mix	Not available.
		RNA Seq Second-strand + End- Repair Enzyme Mix	Not available.		
		RNA Seq dA Tailing Master Mix	Not available.		
		RNA Seq PCR Master Mix	Not available.		
		RNA Seq First Strand Master Mix	Not available.		
		Uracil DNA Glycosylase (UDG)	Not available.		
		SureSelect Oligo Adaptor Mix	Not available.		
		SureSelect Primer	Not available.		
		SureSelect XT Indexes A01 through H12, 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.		
		Vapor density	:		

Section 9. Physical and chemical properties

	RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 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.
Relative density	RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 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	RNA Seq Fragmentation Mix	Easily soluble in the following materials: cold water and hot water.
	SureSelect Ligation Master Mix	Soluble in the following materials: cold water and hot water.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Soluble in the following materials: cold water and hot water.
	RNA Seq dA Tailing Master Mix	Soluble in the following materials: cold water and hot water.
	RNA Seq PCR Master Mix	Soluble in the following materials: cold water and hot water.
	RNA Seq First Strand Master Mix	Soluble in the following materials: cold water and hot water.
	Uracil DNA Glycosylase (UDG)	Soluble in the following materials: cold water and hot water.
	SureSelect Oligo Adaptor Mix	Easily soluble in the following materials: cold water and hot water.
	SureSelect Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect XT Indexes A01 through H12, 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	Easily soluble in the following materials: cold water

Section 9. Physical and chemical properties

	Primer	and hot water.
	RNA Seq Second-strand + End-Repair Oligo Mix	Soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 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	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 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	: RNA Seq Fragmentation Mix	Not available.
	SureSelect Ligation Master Mix	Not available.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase (UDG)	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect XT Indexes A01 through H12, 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	:	RNA Seq Fragmentation Mix	Not available.
		SureSelect Ligation Master Mix	Not available.
		RNA Seq Second-strand + End-Repair Enzyme Mix	Not available.
		RNA Seq dA Tailing Master Mix	Not available.
		RNA Seq PCR Master Mix	Not available.
		RNA Seq First Strand Master Mix	Not available.
		Uracil DNA Glycosylase (UDG)	Not available.
		SureSelect Oligo Adaptor Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect XT Indexes A01 through H12, 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	:	RNA Seq Fragmentation Mix	No specific test data related to reactivity available for this product or its ingredients.	
		SureSelect Ligation Master Mix	No specific test data related to reactivity available for this product or its ingredients.	
		RNA Seq Second-strand + End-Repair Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.	
		RNA Seq dA Tailing Master Mix	No specific test data related to reactivity available for this product or its ingredients.	
		RNA Seq PCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.	
		RNA Seq First Strand Master Mix	No specific test data related to reactivity available for this product or its ingredients.	
		Uracil DNA Glycosylase (UDG)	No specific test data related to reactivity available for this product or its ingredients.	
		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.	
		SureSelect XT Indexes A01 through H12, 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	:	RNA Seq Fragmentation Mix	The product is stable.
			SureSelect Ligation Master Mix	The product is stable.
			RNA Seq Second-strand + End-Repair Enzyme Mix	The product is stable.
		RNA Seq dA Tailing Master Mix	The product is stable.	
		RNA Seq PCR Master Mix	The product is stable.	
		RNA Seq First Strand Master Mix	The product is stable.	
		Uracil DNA Glycosylase (UDG)	The product is stable.	
	SureSelect Oligo Adaptor Mix	The product is stable.		
	SureSelect Primer	The product is stable.		
	SureSelect XT Indexes A01	The product is stable.		

Section 10. Stability and reactivity

through H12, 8-bp RNA Seq ILM Reverse PCR Primer	The product is stable.
RNA Seq ILM Post-Capture PCR Primer	The product is stable.
RNA Seq Second-strand + End- Repair Oligo Mix	The product is stable.

10.3 Possibility of hazardous reactions

RNA Seq Fragmentation Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Ligation Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq Second-strand + End- Repair Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq dA Tailing Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq First Strand Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Uracil DNA Glycosylase (UDG)	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect XT Indexes A01 through H12, 8-bp RNA Seq ILM Reverse PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq ILM Post-Capture PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq Second-strand + End- Repair Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

RNA Seq Fragmentation Mix	No specific data.
SureSelect Ligation Master Mix	No specific data.
RNA Seq Second-strand + End- Repair Enzyme Mix	No specific data.
RNA Seq dA Tailing Master Mix	No specific data.
RNA Seq PCR Master Mix	No specific data.
RNA Seq First Strand Master Mix	No specific data.
Uracil DNA Glycosylase (UDG)	No specific data.
SureSelect Oligo Adaptor Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect XT Indexes A01 through H12, 8-bp 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	: RNA Seq Fragmentation Mix	May react or be incompatible with oxidizing materials.
	SureSelect Ligation Master Mix	May react or be incompatible with oxidizing materials.
	RNA Seq Second-strand + End-Repair Enzyme Mix	May react or be incompatible with oxidizing materials.
	RNA Seq dA Tailing Master Mix	May react or be incompatible with oxidizing materials.
	RNA Seq PCR Master Mix	May react or be incompatible with oxidizing materials.
	RNA Seq First Strand Master Mix	May react or be incompatible with oxidizing materials.
	Uracil DNA Glycosylase (UDG)	May react or be incompatible with oxidizing materials.
	SureSelect Oligo Adaptor Mix	May react or be incompatible with oxidizing materials.
	SureSelect Primer	May react or be incompatible with oxidizing materials.
	SureSelect XT Indexes A01 through H12, 8-bp	May react or be incompatible with oxidizing materials.
	RNA Seq ILM Reverse PCR Primer	May react or be incompatible with oxidizing materials.
	RNA Seq ILM Post-Capture PCR Primer	May react or be incompatible with oxidizing materials.
	RNA Seq Second-strand + End-Repair Oligo Mix	May react or be incompatible with oxidizing materials.
10.6 Hazardous decomposition products	: RNA Seq Fragmentation Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Ligation Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq Second-strand + End-Repair Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq dA Tailing Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq First Strand Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Uracil DNA Glycosylase (UDG)	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect XT Indexes A01 through H12, 8-bp	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq ILM Reverse PCR	Under normal conditions of storage and use,

Section 10. Stability and reactivity

Primer	hazardous decomposition products should not be produced.
RNA Seq ILM Post-Capture PCR Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
RNA Seq Second-strand + End-Repair Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-

Section 11. Toxicological information

	Skin - Mild irritant	Rabbit	-	milligrams 500 milligrams	-
RNA Seq Second-strand + End-Repair Enzyme Mix					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
RNA Seq dA Tailing Master Mix					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
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

Section 11. Toxicological information

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

RNA Seq Fragmentation Mix	Not available.
SureSelect Ligation Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
RNA Seq Second-strand + End-Repair Enzyme Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
RNA Seq dA Tailing Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
RNA Seq PCR Master Mix	Not available.
RNA Seq First Strand Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
Uracil DNA Glycosylase (UDG)	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect Oligo Adaptor Mix	Not available.
SureSelect Primer	Not available.
SureSelect XT Indexes A01 through H12, 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	Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Section 11. Toxicological information

Eye contact	<ul style="list-style-type: none"> : RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 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"> No known significant effects or critical hazards. Causes serious eye irritation. Causes eye irritation. Causes serious 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. Causes eye irritation.
Inhalation	<ul style="list-style-type: none"> : RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 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"> 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. 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	<ul style="list-style-type: none"> : RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 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"> 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. 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.

Section 11. Toxicological information

Ingestion	:	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
		SureSelect Ligation Master Mix	No known significant effects or critical hazards.
		RNA Seq Second-strand + End- Repair Enzyme Mix	No known significant effects or critical hazards.
		RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
		RNA Seq PCR Master Mix	No known significant effects or critical hazards.
		RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
		Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
		SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
		SureSelect Primer	No known significant effects or critical hazards.
		SureSelect XT Indexes A01 through H12, 8-bp	No known significant effects or critical hazards.
		RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
		RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
		RNA Seq Second-strand + End- Repair Oligo Mix	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	RNA Seq Fragmentation Mix	No specific data.
		SureSelect Ligation Master Mix	Adverse symptoms may include the following: pain or irritation watering redness
		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: pain or 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.
		SureSelect XT Indexes A01 through H12, 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 11. Toxicological information

Inhalation	:	RNA Seq Fragmentation Mix	No specific data.
		SureSelect Ligation Master Mix	No specific data.
		RNA Seq Second-strand + End- Repair Enzyme Mix	No specific data.
		RNA Seq dA Tailing Master Mix	No specific data.
		RNA Seq PCR Master Mix	No specific data.
		RNA Seq First Strand Master Mix	No specific data.
		Uracil DNA Glycosylase (UDG)	No specific data.
		SureSelect Oligo Adaptor Mix	No specific data.
		SureSelect Primer	No specific data.
		SureSelect XT Indexes A01 through H12, 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	:	RNA Seq Fragmentation Mix
		SureSelect Ligation Master Mix	No specific data.
		RNA Seq Second-strand + End- Repair Enzyme Mix	No specific data.
		RNA Seq dA Tailing Master Mix	No specific data.
		RNA Seq PCR Master Mix	No specific data.
		RNA Seq First Strand Master Mix	No specific data.
		Uracil DNA Glycosylase (UDG)	No specific data.
		SureSelect Oligo Adaptor Mix	No specific data.
		SureSelect Primer	No specific data.
		SureSelect XT Indexes A01 through H12, 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		:	RNA Seq Fragmentation Mix
		SureSelect Ligation Master Mix	No specific data.
		RNA Seq Second-strand + End- Repair Enzyme Mix	No specific data.
		RNA Seq dA Tailing Master Mix	No specific data.
		RNA Seq PCR Master Mix	No specific data.
		RNA Seq First Strand Master Mix	No specific data.
		Uracil DNA Glycosylase (UDG)	No specific data.
		SureSelect Oligo Adaptor Mix	No specific data.
		SureSelect Primer	No specific data.
		SureSelect XT Indexes A01 through H12, 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](#)

Section 11. Toxicological information

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: <input checked="" type="checkbox"/> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 8-bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-Capture PCR Primer RNA Seq Second-strand + End-Repair Oligo Mix	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. No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: <input checked="" type="checkbox"/> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 8-bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-Capture PCR Primer RNA Seq Second-strand + End-Repair Oligo Mix	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. No known significant effects or critical hazards.
Mutagenicity	: <input checked="" type="checkbox"/> RNA Seq Fragmentation Mix SureSelect Ligation Master 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 SureSelect XT Indexes A01 through H12, 8-bp	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.

Section 11. Toxicological information

	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
Teratogenicity	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT Indexes A01 through H12, 8-bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
	RNA Seq ILM Post-Capture PCR Primer	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Oligo Mix	No known significant effects or critical hazards.
Developmental effects	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT Indexes A01 through H12, 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	: RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Second-strand + End-Repair Enzyme Mix	No known significant effects or critical hazards.
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase (UDG)	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect XT Indexes A01 through H12, 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.

Section 11. Toxicological information

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

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
SureSelect Ligation Master Mix Glycerol Polyethylene glycol	Acute LC50 54000 mg/l Fresh water Acute LC50 >1000000 µg/l Fresh water	Fish - Oncorhynchus mykiss Fish - Salmo salar - Parr	96 hours 96 hours
RNA Seq Second-strand + End-Repair Enzyme Mix Glycerol Potassium chloride	Acute LC50 54000 mg/l Fresh water Acute EC50 1337000 µg/l Fresh water Acute EC50 9.24 g/L Fresh water Acute EC50 141460 µg/l Fresh water Acute LC50 12.92 mg/l Fresh water Acute LC50 880 mg/l Fresh water	Fish - Oncorhynchus mykiss Algae - Navicula seminulum Algae - Desmodesmus subspicatus Daphnia - Daphnia magna Crustaceans - Pseudosida ramosa - Neonate Fish - Pimephales promelas	96 hours 96 hours 72 hours 48 hours 48 hours 96 hours
RNA Seq dA Tailing Master Mix Glycerol Polyethylene glycol	Acute LC50 54000 mg/l Fresh water Acute LC50 >1000000 µg/l Fresh water	Fish - Oncorhynchus mykiss Fish - Salmo salar - Parr	96 hours 96 hours
RNA Seq PCR Master Mix Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
RNA Seq First Strand Master Mix Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Uracil DNA Glycosylase (UDG) Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
RNA Seq Second-strand + End-Repair Oligo Mix Glycerol Potassium chloride	Acute LC50 54000 mg/l Fresh water Acute EC50 1337000 µg/l Fresh water Acute EC50 9.24 g/L Fresh water	Fish - Oncorhynchus mykiss Algae - Navicula seminulum Algae - Desmodesmus	96 hours 96 hours 72 hours

Section 12. Ecological information

	Acute EC50 141460 µg/l Fresh water Acute LC50 12.92 mg/l Fresh water	subspicatus Daphnia - Daphnia magna Crustaceans - Pseudosida ramosa - Neonate	48 hours 48 hours
	Acute LC50 880 mg/l Fresh water	Fish - Pimephales promelas	96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
SureSelect Ligation Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
RNA Seq Second-strand + End-Repair Enzyme Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
RNA Seq dA Tailing Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
RNA Seq PCR Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
RNA Seq First Strand Master Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Uracil DNA Glycosylase (UDG) Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
RNA Seq Second-strand + End-Repair Oligo Mix Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
RNA Seq Second-strand + End-Repair Enzyme Mix Potassium chloride	-	-	Readily
RNA Seq Second-strand + End-Repair Oligo Mix Potassium chloride	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
SureSelect Ligation Master Mix Glycerol Polyethylene glycol	-1.76 -	- 3.2	low low
RNA Seq Second-strand + End-Repair Enzyme Mix Glycerol Potassium chloride	-1.76 -0.46	- -	low low
RNA Seq dA Tailing Master Mix Glycerol Polyethylene glycol	-1.76 -	- 3.2	low low
RNA Seq PCR Master Mix Glycerol	-1.76	-	low
RNA Seq First Strand Master Mix Glycerol	-1.76	-	low
Uracil DNA Glycosylase (UDG) Glycerol	-1.76	-	low
RNA Seq Second-strand + End-Repair Oligo Mix Glycerol Potassium chloride	-1.76 -0.46	- -	low low

12.4 Mobility in soil

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

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

Section 13. Disposal considerations

13.1 Waste treatment methods

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

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

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

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

Section 14. Transport information

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

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

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

Section 15. Regulatory information

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

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

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

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

Section 15. Regulatory information

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

RNA Seq Fragmentation Mix	Not applicable.
SureSelect Ligation Master Mix	EYE IRRITATION - Category 2A
RNA Seq Second-strand + End-Repair Enzyme Mix	EYE IRRITATION - Category 2B
RNA Seq dA Tailing Master Mix	EYE IRRITATION - Category 2A
RNA Seq PCR Master Mix	Not applicable.
RNA Seq First Strand Master Mix	EYE IRRITATION - Category 2B
Uracil DNA Glycosylase (UDG)	EYE IRRITATION - Category 2B
SureSelect Oligo Adaptor Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect XT Indexes A01 through H12, 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	EYE IRRITATION - Category 2B

Composition/information on ingredients

Name	%	Classification
SureSelect Ligation Master Mix		
Glycerol	≥25 - ≤50	EYE IRRITATION - Category 2A
Polyethylene glycol	≥10 - ≤17	EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	≤2.7	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
RNA Seq Second-strand + End-Repair Enzyme Mix		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2A
Potassium chloride	≤3	EYE IRRITATION - Category 2A
RNA Seq dA Tailing Master Mix		
Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2A
Polyethylene glycol	≥10 - ≤17	EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	≤2.7	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
RNA Seq PCR Master Mix		
Glycerol	<10	EYE IRRITATION - Category 2A

Section 15. Regulatory information

RNA Seq First Strand Master Mix Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2A
Uracil DNA Glycosylase (UDG) Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2A
RNA Seq Second-strand + End-Repair Oligo Mix Glycerol	≥10 - ≤25	EYE IRRITATION - Category 2A
Potassium chloride	≤3	EYE IRRITATION - Category 2A

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

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list


- Australia** : Not determined.
- Canada** : Not determined.
- China** : Not determined.
- Europe** : Not determined.
- Japan** : **Japan inventory (ENCS)**: Not determined.
 Japan inventory (ISHL): Not determined.
- Malaysia** : Not determined.
- New Zealand** : Not determined.
- Philippines** : Not determined.
- Republic of Korea** : Not determined.
- Taiwan** : All components are listed or exempted.
- Thailand** : Not determined.
- Turkey** : Not determined.
- United States** : Not determined.
- Viet Nam** : Not determined.

Section 16. Other information

History

Date of issue : 05/25/2018
Date of previous issue : 11/26/2014
Version : 2

Procedure used to derive the classification

Classification	Justification
 SureSelect Ligation Master Mix EYE IRRITATION - Category 2A	Calculation method
RNA Seq Second-strand + End-Repair Enzyme Mix EYE IRRITATION - Category 2B	Calculation method
RNA Seq dA Tailing Master Mix EYE IRRITATION - Category 2A	Calculation method
RNA Seq First Strand Master Mix EYE IRRITATION - Category 2B	Calculation method
Uracil DNA Glycosylase (UDG) EYE IRRITATION - Category 2B	Calculation method
RNA Seq Second-strand + End-Repair Oligo Mix EYE IRRITATION - Category 2B	Calculation method

 Indicates information that has changed from previously issued version.

Notice to reader

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