

Material Safety Data Sheet



Agilent Technologies

Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

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

1. Identification of the material and supplier

Names

Product name	: SureSelect Strand-Specific RNA Library Prep Kit Box 1-ILM-96 Samples, Part Number 5500-0117
Part No. (Chemical Kit)	: 5500-0117
Part No.	: SureSelect Ligation Master Mix 5190-3807 RNA Seq Fragmentation Mix 5190-6391 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 RNA Seq Index 1-96, 8 bp 5190-6263 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

ADG : Not regulated as Dangerous Goods according to the ADG Code

Supplier

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Emergency telephone number : CHEMTREC®: +(61)-290372994

Uses

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

1 . Identification of the material and supplier

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

2 . Hazards identification

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

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

3 . Composition/information on ingredients

Molecular formula :

Ingredient name	CAS number	%
SureSelect Ligation Master Mix Glycerol Polyethylene glycol	56-81-5 25322-68-3	30 - 60 <10
RNA Seq Second Strand + End Repair Enzyme Mix Glycerol	56-81-5	10 - <30
RNA Seq dA Tailing Master Mix Glycerol Polyethylene glycol	56-81-5 25322-68-3	10 - <30 <10
RNA Seq PCR Master Mix Glycerol	56-81-5	<10
RNA Seq First Strand Master Mix Glycerol	56-81-5	10 - <30
Uracil DNA Glycosylase - UDG Glycerol	56-81-5	>60
RNA Seq Second Strand + End Repair Oligo Mix Glycerol	56-81-5	10 - <30

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

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.

4 . First-aid measures

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

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	SureSelect Primer	position comfortable for breathing. Get medical attention if symptoms occur.
	RNA Seq Index 1-96, 8 bp	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	RNA Seq ILM Reverse PCR Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	RNA Seq ILM Post-capture PCR Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	RNA Seq Second Strand + End Repair Oligo Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Ingestion	: SureSelect Ligation Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	RNA Seq Fragmentation Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	RNA Seq Second Strand + End Repair Enzyme Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	RNA Seq dA Tailing Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	RNA Seq PCR Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	RNA Seq First Strand Master Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed

4 . First-aid measures

Uracil DNA Glycosylase - UDG	to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Oligo Adaptor Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Primer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
RNA Seq Index 1-96, 8 bp	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
RNA Seq ILM Reverse PCR Primer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
RNA Seq ILM Post-capture PCR Primer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
RNA Seq Second Strand + End Repair Oligo Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4 . First-aid measures

Skin contact	: SureSelect Ligation Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq Fragmentation Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq Second Strand + End Repair Enzyme Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq dA Tailing Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq PCR Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq First Strand Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Uracil DNA Glycosylase - UDG	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Oligo Adaptor Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq Index 1-96, 8 bp	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq ILM Reverse PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq ILM Post-capture PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	RNA Seq Second Strand + End Repair Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Eye contact	: SureSelect Ligation Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq Fragmentation Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq Second Strand + End Repair Enzyme Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq dA Tailing Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq PCR Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	RNA Seq First Strand Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

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Uracil DNA Glycosylase - UDG	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Oligo Adaptor Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
RNA Seq Index 1-96, 8 bp	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
RNA Seq ILM Reverse PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
RNA Seq ILM Post-capture PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
RNA Seq Second Strand + End Repair Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Protection of first-aiders	
: SureSelect Ligation Master Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq Second Strand + End Repair Enzyme Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq dA Tailing Master Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq PCR Master Mix	No action shall be taken involving any personal risk or without suitable training.
RNA Seq First Strand Master Mix	No action shall be taken involving any personal risk or without suitable training.
Uracil DNA Glycosylase - UDG	No action shall be taken involving any personal risk or without suitable training.
SureSelect Oligo Adaptor Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Primer	No action shall be taken involving any personal risk or without suitable training.
RNA Seq Index 1-96, 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.
Advice to doctor	
: SureSelect Ligation Master Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
RNA Seq Fragmentation Mix	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
RNA Seq Second Strand + End	No specific treatment. Treat symptomatically.

4 . First-aid measures

Repair Enzyme Mix	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	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
RNA Seq First Strand Master Mix	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Uracil DNA Glycosylase - UDG	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Oligo Adaptor Mix	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Primer	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
RNA Seq Index 1-96, 8 bp	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
RNA Seq ILM Reverse PCR Primer	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
RNA Seq ILM Post-capture PCR Primer	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
RNA Seq Second Strand + End Repair Oligo Mix	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5 . Fire-fighting measures

Extinguishing media

Suitable

: SureSelect Ligation Master Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq Fragmentation Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq Second Strand + End Repair Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq dA Tailing Master Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire.
RNA Seq First Strand Master Mix	Use an extinguishing agent suitable for the surrounding fire.
Uracil DNA Glycosylase - UDG	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Oligo Adaptor Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Primer	Use an extinguishing agent suitable for the surrounding fire.

5 . Fire-fighting measures

	RNA Seq Index 1-96, 8 bp	surrounding fire. 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.
Not suitable	: SureSelect Ligation Master Mix	None known.
	RNA Seq Fragmentation Mix	None known.
	RNA Seq Second Strand + End Repair Enzyme Mix	None known.
	RNA Seq dA Tailing Master Mix	None known.
	RNA Seq PCR Master Mix	None known.
	RNA Seq First Strand Master Mix	None known.
	Uracil DNA Glycosylase - UDG	None known.
	SureSelect Oligo Adaptor Mix	None known.
	SureSelect Primer	None known.
	RNA Seq Index 1-96, 8 bp	None known.
	RNA Seq ILM Reverse PCR Primer	None known.
	RNA Seq ILM Post-capture PCR Primer	None known.
	RNA Seq Second Strand + End Repair Oligo Mix	None known.
Special exposure hazards	: SureSelect Ligation Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	RNA Seq Fragmentation Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	RNA Seq Second Strand + End Repair Enzyme Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	RNA Seq dA Tailing Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	RNA Seq PCR Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	RNA Seq First Strand Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Uracil DNA Glycosylase - UDG	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureSelect Oligo Adaptor Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureSelect Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	RNA Seq Index 1-96, 8 bp	Promptly isolate the scene by removing all

5 . Fire-fighting measures

RNA Seq ILM Reverse PCR Primer	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. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
RNA Seq ILM Post-capture PCR Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
RNA Seq Second Strand + End Repair Oligo Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Ligation Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq Fragmentation Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq Second Strand + End Repair Enzyme Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq dA Tailing Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq First Strand Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Uracil DNA Glycosylase - UDG	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Oligo Adaptor Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq Index 1-96, 8 bp	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq ILM Reverse PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq ILM Post-capture PCR Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
RNA Seq Second Strand + End Repair Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products : SureSelect Ligation Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix	No specific data. Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
RNA Seq dA Tailing Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
RNA Seq PCR Master Mix	Decomposition products may include the following materials: carbon dioxide

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RNA Seq First Strand Master Mix	carbon monoxide Decomposition products may include the following materials: carbon dioxide
Uracil DNA Glycosylase - UDG	carbon monoxide Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect Oligo Adaptor Mix	No specific data.
SureSelect Primer	No specific data.
RNA Seq Index 1-96, 8 bp	No specific data.
RNA Seq ILM Reverse PCR Primer	No specific data.
RNA Seq ILM Post-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

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

Personal precautions	: SureSelect Ligation Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
	RNA Seq Fragmentation Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
	RNA Seq Second Strand + End Repair Enzyme Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
	RNA Seq dA Tailing Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
	RNA Seq PCR Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).

6 . Accidental release measures

RNA Seq First Strand Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
Uracil DNA Glycosylase - UDG	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
SureSelect Oligo Adaptor Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
SureSelect Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
RNA Seq Index 1-96, 8 bp	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
RNA Seq ILM Reverse PCR Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
RNA Seq ILM Post-capture PCR Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
RNA Seq Second Strand + End Repair Oligo Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions : SureSelect Ligation Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Fragmentation Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

6 . Accidental release measures

	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Second Strand + End Repair Enzyme Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq dA Tailing Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq PCR Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq First Strand Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Uracil DNA Glycosylase - UDG	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Oligo Adaptor Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Index 1-96, 8 bp	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq ILM Reverse PCR Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq ILM Post-capture PCR Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
RNA Seq Second Strand + End Repair Oligo Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6 . Accidental release measures

Methods for cleaning up	: SureSelect Ligation Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	RNA Seq Fragmentation Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	RNA Seq Second Strand + End Repair Enzyme Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	RNA Seq dA Tailing Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	RNA Seq PCR Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	RNA Seq First Strand Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Uracil DNA Glycosylase - UDG	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureSelect Oligo Adaptor Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureSelect Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6 . Accidental release measures

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

7 . Handling and storage

Handling	: SureSelect Ligation Master Mix	Put on appropriate personal protective equipment (see Section 8). 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.
	RNA Seq Fragmentation Mix	Put on appropriate personal protective equipment (see Section 8). 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.
	RNA Seq Second Strand + End Repair Enzyme Mix	Put on appropriate personal protective equipment (see Section 8). 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.
	RNA Seq dA Tailing Master Mix	Put on appropriate personal protective equipment (see Section 8). 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.
	RNA Seq PCR Master Mix	Put on appropriate personal protective

7 . Handling and storage

RNA Seq First Strand Master Mix	equipment (see Section 8). 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. Put on appropriate personal protective equipment (see Section 8). 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.
Uracil DNA Glycosylase - UDG	Put on appropriate personal protective equipment (see Section 8). 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.
SureSelect Oligo Adaptor Mix	Put on appropriate personal protective equipment (see Section 8). 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.
SureSelect Primer	Put on appropriate personal protective equipment (see Section 8). 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.
RNA Seq Index 1-96, 8 bp	Put on appropriate personal protective equipment (see Section 8). 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.
RNA Seq ILM Reverse PCR Primer	Put on appropriate personal protective equipment (see Section 8). 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.
RNA Seq ILM Post-capture PCR Primer	Put on appropriate personal protective equipment (see Section 8). 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.

7 . Handling and storage

	RNA Seq Second Strand + End Repair Oligo Mix	Put on appropriate personal protective equipment (see Section 8). 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.
Storage	: SureSelect Ligation Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
	RNA Seq Fragmentation Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
	RNA Seq Second Strand + End Repair Enzyme Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
	RNA Seq dA Tailing Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
	RNA Seq PCR Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

7 . Handling and storage

RNA Seq First Strand Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Uracil DNA Glycosylase - UDG	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect Oligo Adaptor Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
RNA Seq Index 1-96, 8 bp	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
RNA Seq ILM Reverse PCR Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent

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7 . Handling and storage

RNA Seq ILM Post-capture PCR Primer

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

RNA Seq Second Strand + End Repair Oligo Mix

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

8 . Exposure controls/personal protection

Occupational exposure limits

Ingredient name	Exposure limits
<p>SureSelect Ligation Master Mix Glycerol</p> <p>Polyethylene glycol</p>	<p>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</p> <p>TRGS900 AGW (Germany, 8/2010). PEAK: 8000 mg/m³ 15 minutes. Form: inhalable fraction TWA: 1000 mg/m³ 8 hours. Form: inhalable fraction</p>
<p>RNA Seq Second Strand + End Repair Enzyme Mix Glycerol</p>	<p>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</p>
<p>RNA Seq dA Tailing Master Mix Glycerol</p> <p>Polyethylene glycol</p>	<p>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</p> <p>TRGS900 AGW (Germany, 8/2010). PEAK: 8000 mg/m³ 15 minutes. Form: inhalable fraction TWA: 1000 mg/m³ 8 hours. Form: inhalable fraction</p>
<p>RNA Seq PCR Master Mix Glycerol</p>	<p>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</p>
<p>RNA Seq First Strand Master Mix Glycerol</p>	<p>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</p>
<p>Uracil DNA Glycosylase - UDG Glycerol</p>	<p>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</p>
<p>RNA Seq Second Strand + End Repair Oligo Mix Glycerol</p>	<p>Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.</p>

No additional exposure standard allocated for other ingredients/components covered by the MSDS other than those listed in the table above.

8 . Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Exposure controls

- Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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.
- Eyes** : 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 or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Hands** : 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.
- Respiratory** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Skin** : 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.
- 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.

9 . Physical and chemical properties

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

9 . Physical and chemical properties

	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-capture PCR Primer	Not available.
	RNA Seq Second Strand + End Repair Oligo Mix	Not available.
Odour	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-capture PCR Primer	Not available.
	RNA Seq Second Strand + End Repair Oligo Mix	Not available.
Odour threshold	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End Repair Enzyme Mix	Not available.
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-capture PCR Primer	Not available.
	RNA Seq Second Strand + End Repair Oligo Mix	Not available.
Boiling point	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	100°C (212°F)
	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)
	RNA Seq Index 1-96, 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.

9 . Physical and chemical properties

Melting point	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	0°C (32°F)
	RNA Seq Second Strand + End	Not available.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	0°C (32°F)
	SureSelect Primer	0°C (32°F)
	RNA Seq Index 1-96, 8 bp	0°C (32°F)
	RNA Seq ILM Reverse PCR	0°C (32°F)
	Primer	
	RNA Seq ILM Post-capture PCR	0°C (32°F)
	Primer	
	RNA Seq Second Strand + End	Not available.
	Repair Oligo Mix	
Vapour pressure	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End	Not available.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR	Not available.
	Primer	
	RNA Seq ILM Post-capture PCR	Not available.
	Primer	
	RNA Seq Second Strand + End	Not available.
	Repair Oligo Mix	
Relative density	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End	Not available.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR	Not available.
	Primer	
	RNA Seq ILM Post-capture PCR	Not available.
	Primer	
	RNA Seq Second Strand + End	Not available.
	Repair Oligo Mix	
Flash point	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End	Not available.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR	Not available.

9 . Physical and chemical properties

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

9 . Physical and chemical properties

Viscosity	: SureSelect Ligation Master Mix RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix RNA Seq dA Tailing Master Mix RNA Seq PCR Master Mix RNA Seq First Strand Master Mix Uracil DNA Glycosylase - UDG SureSelect Oligo Adaptor Mix SureSelect Primer RNA Seq Index 1-96, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Auto-ignition temperature	: SureSelect Ligation Master Mix RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix RNA Seq dA Tailing Master Mix RNA Seq PCR Master Mix RNA Seq First Strand Master Mix Uracil DNA Glycosylase - UDG SureSelect Oligo Adaptor Mix SureSelect Primer RNA Seq Index 1-96, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Evaporation rate	: SureSelect Ligation Master Mix RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix RNA Seq dA Tailing Master Mix RNA Seq PCR Master Mix RNA Seq First Strand Master Mix Uracil DNA Glycosylase - UDG SureSelect Oligo Adaptor Mix SureSelect Primer RNA Seq Index 1-96, 8 bp RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second Strand + End Repair Oligo Mix	Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Solubility	: SureSelect Ligation Master Mix RNA Seq Fragmentation Mix RNA Seq Second Strand + End Repair Enzyme Mix RNA Seq dA Tailing Master Mix RNA Seq PCR Master Mix RNA Seq First Strand Master Mix	Soluble in the following materials: cold water and hot water. Easily soluble in the following materials: cold water and hot water. Soluble in the following materials: cold water and hot water. Soluble in the following materials: cold water and hot water. Soluble in the following materials: cold water and hot water. Soluble in the following materials: cold water and hot water.

9 . Physical and chemical properties

Uracil DNA Glycosylase - UDG	Soluble in the following materials: cold water and hot water.
SureSelect Oligo Adaptor Mix	Easily soluble in the following materials: cold water and hot water.
SureSelect Primer	Easily soluble in the following materials: cold water and hot water.
RNA Seq Index 1-96, 8 bp	Easily soluble in the following materials: cold water and hot water.
RNA Seq ILM Reverse PCR Primer	Easily soluble in the following materials: cold water and hot water.
RNA Seq ILM Post-capture PCR Primer	Easily soluble in the following materials: cold water and hot water.
RNA Seq Second Strand + End Repair Oligo Mix	Soluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Chemical stability

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

Possibility of hazardous reactions

: SureSelect Ligation Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq Fragmentation Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq Second Strand + End Repair Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq dA Tailing Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq First Strand Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
Uracil DNA Glycosylase - UDG	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq Index 1-96, 8 bp	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq ILM Reverse PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq ILM Post-capture PCR Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
RNA Seq Second Strand + End Repair Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.

10 . Stability and reactivity

Conditions to avoid	SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation Mix	No specific data.
	RNA Seq Second Strand + End Repair Enzyme Mix	No specific data.
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase - UDG	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	RNA Seq Index 1-96, 8 bp	No specific data.
	RNA Seq ILM Reverse PCR Primer	No specific data.
	RNA Seq ILM Post-capture PCR Primer	No specific data.
	RNA Seq Second Strand + End Repair Oligo Mix	No specific data.
	Materials to avoid	SureSelect Ligation Master Mix
RNA Seq Fragmentation Mix		No specific data.
RNA Seq Second Strand + End Repair Enzyme Mix		No specific data.
RNA Seq dA Tailing Master Mix		No specific data.
RNA Seq PCR Master Mix		No specific data.
RNA Seq First Strand Master Mix		No specific data.
Uracil DNA Glycosylase - UDG		No specific data.
SureSelect Oligo Adaptor Mix		No specific data.
SureSelect Primer		No specific data.
RNA Seq Index 1-96, 8 bp		No specific data.
RNA Seq ILM Reverse PCR Primer		No specific data.
RNA Seq ILM Post-capture PCR Primer		No specific data.
RNA Seq Second Strand + End Repair Oligo Mix		No specific data.
Hazardous decomposition products		SureSelect Ligation Master Mix
	RNA Seq Fragmentation Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq Second Strand + End Repair Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq dA Tailing Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq First Strand Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Uracil DNA Glycosylase - UDG	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Oligo Adaptor Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	RNA Seq Index 1-96, 8 bp	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

10 . Stability and reactivity

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

11 . Toxicological information

Potential acute health effects

Inhalation

: SureSelect Ligation Master Mix	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
RNA Seq dA Tailing Master Mix	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
Uracil DNA Glycosylase - UDG	No known significant effects or critical hazards.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
RNA Seq ILM Post-capture PCR Primer	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Oligo Mix	No known significant effects or critical hazards.

Ingestion

: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
Uracil DNA Glycosylase - UDG	No known significant effects or critical hazards.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
RNA Seq ILM Post-capture PCR Primer	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Oligo Mix	No known significant effects or critical hazards.

Skin contact

: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
Uracil DNA Glycosylase - UDG	No known significant effects or critical hazards.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.

11 . Toxicological information

Eye contact

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.
: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Enzyme Mix	No known significant effects or critical hazards.
RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
RNA Seq PCR Master Mix	No known significant effects or critical hazards.
RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
Uracil DNA Glycosylase - UDG	No known significant effects or critical hazards.
SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.
RNA Seq ILM Reverse PCR Primer	No known significant effects or critical hazards.
RNA Seq ILM Post-capture PCR Primer	No known significant effects or critical hazards.
RNA Seq Second Strand + End Repair Oligo Mix	No known significant effects or critical hazards.

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	-
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	-

Conclusion/Summary : Not available.

Potential chronic health effects

Irritation/Corrosion

11 . Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
SureSelect Ligation Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
RNA Seq Second Strand + End Repair Enzyme Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
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	-	-	-
	Skin - Mild irritant	Rabbit	-	-	-
RNA Seq PCR Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
RNA Seq First Strand Master Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Uracil DNA Glycosylase - UDG Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
RNA Seq Second Strand + End Repair Oligo Mix Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

11 . Toxicological information

	Primer	
	RNA Seq ILM Post-capture PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq Second Strand + End	No known significant effects or critical hazards.
	Repair Oligo Mix	
Developmental effects	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	RNA Seq Second Strand + End	No known significant effects or critical hazards.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase - UDG	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq ILM Post-capture PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq Second Strand + End	No known significant effects or critical hazards.
	Repair Oligo Mix	
Fertility effects	: SureSelect Ligation Master Mix	No known significant effects or critical hazards.
	RNA Seq Fragmentation Mix	No known significant effects or critical hazards.
	RNA Seq Second Strand + End	No known significant effects or critical hazards.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	No known significant effects or critical hazards.
	RNA Seq PCR Master Mix	No known significant effects or critical hazards.
	RNA Seq First Strand Master Mix	No known significant effects or critical hazards.
	Uracil DNA Glycosylase - UDG	No known significant effects or critical hazards.
	SureSelect Oligo Adaptor Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	RNA Seq Index 1-96, 8 bp	No known significant effects or critical hazards.
	RNA Seq ILM Reverse PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq ILM Post-capture PCR	No known significant effects or critical hazards.
	Primer	
	RNA Seq Second Strand + End	No known significant effects or critical hazards.
	Repair Oligo Mix	

Over-exposure signs/symptoms

Inhalation	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation Mix	No specific data.
	RNA Seq Second Strand + End	No specific data.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase - UDG	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	RNA Seq Index 1-96, 8 bp	No specific data.
	RNA Seq ILM Reverse PCR	No specific data.
	Primer	
	RNA Seq ILM Post-capture PCR	No specific data.
	Primer	
	RNA Seq Second Strand + End	No specific data.
	Repair Oligo Mix	

11 . Toxicological information

Ingestion	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation Mix	No specific data.
	RNA Seq Second Strand + End	No specific data.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase - UDG	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	RNA Seq Index 1-96, 8 bp	No specific data.
	RNA Seq ILM Reverse PCR	No specific data.
	Primer	
	RNA Seq ILM Post-capture PCR	No specific data.
	Primer	
	RNA Seq Second Strand + End	No specific data.
	Repair Oligo Mix	
Skin	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation Mix	No specific data.
	RNA Seq Second Strand + End	No specific data.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase - UDG	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	RNA Seq Index 1-96, 8 bp	No specific data.
	RNA Seq ILM Reverse PCR	No specific data.
	Primer	
	RNA Seq ILM Post-capture PCR	No specific data.
	Primer	
	RNA Seq Second Strand + End	No specific data.
	Repair Oligo Mix	
Eyes	: SureSelect Ligation Master Mix	No specific data.
	RNA Seq Fragmentation Mix	No specific data.
	RNA Seq Second Strand + End	No specific data.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	No specific data.
	RNA Seq PCR Master Mix	No specific data.
	RNA Seq First Strand Master Mix	No specific data.
	Uracil DNA Glycosylase - UDG	No specific data.
	SureSelect Oligo Adaptor Mix	No specific data.
	SureSelect Primer	No specific data.
	RNA Seq Index 1-96, 8 bp	No specific data.
	RNA Seq ILM Reverse PCR	No specific data.
	Primer	
	RNA Seq ILM Post-capture PCR	No specific data.
	Primer	
	RNA Seq Second Strand + End	No specific data.
	Repair Oligo Mix	
Other adverse symptoms	: SureSelect Ligation Master Mix	Not available.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End	Not available.
	Repair Enzyme Mix	
	RNA Seq dA Tailing Master Mix	Not available.
	RNA Seq PCR Master Mix	Not available.
	RNA Seq First Strand Master Mix	Not available.
	Uracil DNA Glycosylase - UDG	Not available.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR	Not available.

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

11 . Toxicological information

	Primer RNA Seq ILM Post-capture PCR	Not available.
	Primer RNA Seq Second Strand + End Repair Oligo Mix	Not available.
Target organs	: SureSelect Ligation Master Mix	Contains material which may cause damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.
	RNA Seq Fragmentation Mix	Not available.
	RNA Seq Second Strand + End Repair Enzyme Mix	Contains material which may cause damage to the following organs: kidneys, gastrointestinal tract, upper respiratory tract, skin, eye, lens or cornea.
	RNA Seq dA Tailing Master Mix	Contains material which may cause damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.
	RNA Seq PCR Master Mix	Contains material which may cause damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.
	RNA Seq First Strand Master Mix	Contains material which may cause damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.
	Uracil DNA Glycosylase - UDG	Contains material which may cause damage to the following organs: kidneys, upper respiratory tract, skin, eye, lens or cornea.
	SureSelect Oligo Adaptor Mix	Not available.
	SureSelect Primer	Not available.
	RNA Seq Index 1-96, 8 bp	Not available.
	RNA Seq ILM Reverse PCR Primer	Not available.
	RNA Seq ILM Post-capture PCR Primer	Not available.
	RNA Seq Second Strand + End Repair Oligo Mix	Contains material which may cause damage to the following organs: kidneys, gastrointestinal tract, upper respiratory tract, skin, eye, lens or cornea.

12 . Ecological information

Ecotoxicity : May cause long-term adverse effects in the aquatic environment.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
SureSelect Ligation Master Mix Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
RNA Seq dA Tailing Master Mix Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours

Other ecological information

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
SureSelect Ligation Master Mix Glycerol	-1.76	-	low
RNA Seq Second Strand + End Repair Enzyme Mix Glycerol	-1.76	-	low

12 . Ecological information

RNA Seq dA Tailing Master Mix Glycerol	-1.76	-	low
RNA Seq PCR Master Mix Glycerol	-1.76	-	low
RNA Seq First Strand Master Mix Glycerol	-1.76	-	low
Uracil DNA Glycosylase - UDG Glycerol	-1.76	-	low
RNA Seq Second Strand + End Repair Oligo Mix Glycerol	-1.76	-	low

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

13 . Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14 . Transport information

Regulatory information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

15 . Regulatory information

Standard Uniform Schedule of Medicine and Poisons

6

Control of Scheduled Carcinogenic Substances

<u>Ingredient name</u>	<u>Schedule</u>
No listed substance	

Australia inventory (AICS) : Not determined.

16 . Other information

Remarks :
Date of issue : 02/10/2014
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✔ Indicates information that has changed from previously issued version.

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