

SAFETY DATA SHEET



SureSelect Strand Specific RNA Library Prep ILM Box 1-16 Reactions, Part Number 5500-0134

Section 1. Identification

| | | |
|--------------------------------|---|-----------|
| Product identifier | : SureSelect Strand Specific RNA Library Prep ILM Box 1-16 Reactions, Part Number 5500-0134 | |
| Part no. (chemical kit) | : 5500-0134 | |
| Part no. | RNA Seq Fragmentation Mix | 5190-6366 |
| | SureSelect Ligation Master Mix | 5190-3802 |
| | RNA Seq Second Strand + End Repair Enzyme Mix | 5190-7762 |
| | RNA Seq dA Tailing Master Mix | 5190-6369 |
| | RNA Seq PCR Master Mix | 5190-6371 |
| | RNA Seq First Strand Master Mix | 5190-6367 |
| | Uracil DNA Glycosylase - UDG | 5190-6372 |
| | SureSelect Oligo Adaptor Mix | 5190-6370 |
| | SureSelect Primer | 5190-4933 |
| | 8bp Indexes A01-H02 | Various* |
| | RNA Seq ILM Reverse PCR Primer | 5190-6373 |
| | RNA Seq ILM Post-capture PCR Primer | 5190-6374 |
| | RNA Seq Second Strand + End Repair Oligo Mix | 5190-7763 |

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

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| Material uses | : Analytical reagent. | |
| | RNA Seq Fragmentation Mix | 0.33 ml (16 reactions) |
| | SureSelect Ligation Master Mix | 0.08 ml (16 reactions) |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | 0.44 ml (16 reactions) |
| | RNA Seq dA Tailing Master Mix | 0.35 ml (16 reactions) |
| | RNA Seq PCR Master Mix | 0.88 ml (16 reactions) |
| | RNA Seq First Strand Master Mix | 0.14 ml (16 reactions) |
| | Uracil DNA Glycosylase (UDG) | 0.018 ml (16 reactions) |
| | SureSelect Oligo Adaptor Mix | 0.09 ml (16 reactions) |
| | SureSelect Primer | 0.066 ml (16 reactions) |
| | 8bp Indexes A01-H02 | 16 x 0.015 ml (2 reactions) |
| | RNA Seq ILM Reverse PCR Primer | 0.018 ml (16 reactions) |
| | RNA Seq ILM Post-capture PCR Primer | 0.018 ml (16 reactions) |
| | RNA Seq Second-strand + End-Repair Oligo Mix | 0.09 ml (16 reactions) |

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

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Note * : *8bp Indexes A01-H02: 5190-7912, 5190-7913, 5190-7914, 5190-7915, 5190-7916, 5190-7917, 5190-7918, 5190-7919, 5190-7920, 5190-7921, 5190-7922, 5190-7923, 5190-7924, 5190-7925, 5190-7926, 5190-7927

Section 2. Hazard(s) identification

Classification of the substance or mixture

Not classified.

| | |
|---|--|
| 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% |
| 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% |

GHS label elements

Signal word

| | |
|---|-----------------|
| : RNA Seq Fragmentation Mix | No signal word. |
| SureSelect Ligation Master Mix | No signal word. |
| RNA Seq Second-strand + End-Repair Enzyme Mix | No signal word. |
| RNA Seq dA Tailing Master Mix | No signal word. |
| RNA Seq PCR Master Mix | No signal word. |
| RNA Seq First Strand Master Mix | No signal word. |
| Uracil DNA Glycosylase (UDG) | No signal word. |
| SureSelect Oligo Adaptor Mix | No signal word. |
| SureSelect Primer | No signal word. |
| 8bp Indexes A01-H02 | No signal word. |
| RNA Seq ILM Reverse PCR Primer | No signal word. |
| RNA Seq ILM Post-capture PCR Primer | No signal word. |
| RNA Seq Second-strand + End-Repair Oligo Mix | No signal word. |

Section 2. Hazard(s) identification

| | | | |
|--------------------------|---|---|---|
| Hazard statements | : | <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 8bp Indexes A01–H02 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. |
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Precautionary statements

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|-------------------|---|---|---|
| Prevention | : | <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 8bp Indexes A01–H02 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 applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. |
|-------------------|---|---|---|

| | | | |
|-----------------|---|---|--|
| Response | : | <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 8bp Indexes A01–H02 RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer | <ul style="list-style-type: none"> Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. |
|-----------------|---|---|--|

Section 2. Hazard(s) identification

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|------------------------------------|---|---|-----------------|
| | | RNA Seq Second-strand + End-Repair Oligo Mix | Not applicable. |
| 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. |
| | | 8bp Indexes A01–H02 | 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 | : | 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. |
| | | 8bp Indexes A01–H02 | 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 | | | |
| Additional warning phrases | : | 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. |
| | | 8bp Indexes A01–H02 | Not applicable. |
| | | RNA Seq ILM Reverse PCR | Not applicable. |

Section 2. Hazard(s) identification

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|---|-----------------|
| Primer | |
| RNA Seq ILM Post-capture PCR Primer | Not applicable. |
| RNA Seq Second-strand + End-Repair Oligo Mix | Not applicable. |

| | | |
|--|---|-------------|
| Other hazards which do not result in classification | <input checked="" type="checkbox"/> RNA Seq Fragmentation Mix | None known. |
| | SureSelect Ligation Master Mix | None known. |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | None known. |
| | RNA Seq dA Tailing Master Mix | None known. |
| | RNA Seq PCR Master Mix | None known. |
| | RNA Seq First Strand Master Mix | None known. |
| | Uracil DNA Glycosylase (UDG) | None known. |
| | SureSelect Oligo Adaptor Mix | None known. |
| | SureSelect Primer | None known. |
| | 8bp Indexes A01–H02 | 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 and ingredient information

| | | |
|--------------------------|---|---------|
| Substance/mixture | <input checked="" type="checkbox"/> 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 |
| | 8bp Indexes A01–H02 | 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 |

CAS number/other identifiers

Section 3. Composition and ingredient information

| Ingredient name | % (w/w) | CAS number |
|--|-----------|------------|
| SureSelect Ligation Master Mix | | |
| Glycerol | ≥30 - ≤60 | 56-81-5 |
| Polyethylene glycol | ≥10 - ≤30 | 25322-68-3 |
| RNA Seq Second-strand + End-Repair Enzyme Mix | | |
| Glycerol | ≥10 - ≤30 | 56-81-5 |
| RNA Seq dA Tailing Master Mix | | |
| Glycerol | ≥10 - ≤30 | 56-81-5 |
| Polyethylene glycol | ≥10 - ≤30 | 25322-68-3 |
| RNA Seq PCR Master Mix | | |
| Glycerol | ≤10 | 56-81-5 |
| RNA Seq First Strand Master Mix | | |
| Glycerol | ≥10 - ≤30 | 56-81-5 |
| Uracil DNA Glycosylase (UDG) | | |
| Glycerol | ≥60 - ≤75 | 56-81-5 |
| RNA Seq Second-strand + End-Repair Oligo Mix | | |
| Glycerol | ≥10 - ≤30 | 56-81-5 |

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

Description of necessary first aid measures

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| 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. Get medical attention if irritation occurs. |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | RNA Seq dA Tailing Master Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | RNA Seq PCR Master Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | RNA Seq First Strand Master Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | Uracil DNA Glycosylase (UDG) | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | SureSelect Oligo Adaptor Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. |

Section 4. First aid measures

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| | SureSelect Primer | Check for and remove any contact lenses. Get medical attention if irritation occurs. 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. |
| | 8bp Indexes A01–H02 | 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. |
| Inhalation | : RNA Seq Fragmentation Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureSelect Ligation Master Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | RNA Seq dA Tailing Master Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| | RNA Seq PCR Master Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | RNA Seq First Strand Master Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | Uracil DNA Glycosylase (UDG) | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureSelect Oligo Adaptor Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | SureSelect Primer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | 8bp Indexes A01–H02 | 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 |

Section 4. First aid measures

| | | |
|---------------------|---|---|
| | RNA Seq Second-strand + End-Repair Oligo Mix | attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | : RNA Seq Fragmentation Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureSelect Ligation Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | RNA Seq dA Tailing Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | RNA Seq PCR Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | RNA Seq First Strand 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. |
| | 8bp Indexes A01–H02 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | RNA Seq ILM Reverse PCR Primer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | RNA Seq ILM Post-capture PCR Primer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | : RNA Seq Fragmentation Mix | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| | SureSelect Ligation Master Mix | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical |

Section 4. First aid measures

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|-------------------------------------|--|
| RNA Seq dA Tailing Master Mix | 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. |
| RNA Seq PCR Master Mix | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| RNA Seq First Strand Master Mix | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Uracil DNA Glycosylase (UDG) | Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical 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. |
| 8bp Indexes A01–H02 | 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 |

Section 4. First aid measures

RNA Seq Second-strand +
End-Repair Oligo Mix

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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

| | |
|---|---|
| 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. |
| 8bp Indexes A01–H02 | No known significant effects or critical hazards. |
| RNA Seq ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| RNA Seq ILM Post-capture PCR Primer | No known significant effects or critical hazards. |
| RNA Seq Second-strand + End-Repair Oligo Mix | No known significant effects or critical hazards. |

Inhalation

| | |
|---|---|
| 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. |
| 8bp Indexes A01–H02 | 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

| | |
|---|---|
| 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 | No known significant effects or critical hazards. |

Section 4. First aid measures

| | | |
|------------------|---|---|
| | Master Mix | |
| | 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. |
| | 8bp Indexes A01–H02 | 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. |
| | 8bp Indexes A01–H02 | 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 | 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. |
| | 8bp Indexes A01–H02 | 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. |
| 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. |

Section 4. First aid measures

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| | | 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. |
| | | 8bp Indexes A01–H02 | 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. |
| | | 8bp Indexes A01–H02 | 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 | 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. |
| | | 8bp Indexes A01–H02 | 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. |

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

Section 4. First aid measures

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| Notes to physician | : | <p>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 8bp Indexes A01–H02 RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second-strand + End-Repair Oligo Mix</p> | <p>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</p> |
| Specific treatments | : | <p>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 8bp Indexes A01–H02 RNA Seq ILM Reverse PCR Primer RNA Seq ILM Post-capture PCR Primer RNA Seq Second-strand + End-Repair Oligo Mix</p> | <p>No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment.</p> |

Section 4. First aid measures

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| 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. |
| | 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. |
| | 8bp Indexes A01–H02 | 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. |

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

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| 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. |
| | 8bp Indexes A01–H02 | Use an extinguishing agent suitable for the surrounding fire. |
| | RNA Seq ILM Reverse PCR Primer | Use an extinguishing agent suitable for the surrounding fire. |
| | RNA Seq ILM Post-capture PCR Primer | Use an extinguishing agent suitable for the surrounding fire. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | Use an extinguishing agent suitable for the surrounding fire. |

Section 5. Firefighting measures

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| 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. |
| | | 8bp Indexes A01–H02 | 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. |
| | | Specific hazards arising from the chemical | : |
| SureSelect Ligation Master Mix | In a fire or if heated, a pressure increase will occur and the container may burst. | | |
| RNA Seq 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. | | |
| 8bp Indexes A01–H02 | 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 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: |

Section 5. Firefighting measures

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| | 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. |
| 8bp Indexes A01-H02 | 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 actions for fire-fighters

| | |
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| 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 |

Section 5. Firefighting measures

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| | | from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| | 8bp Indexes A01–H02 | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| | RNA Seq ILM Reverse PCR Primer | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| | RNA Seq ILM Post-capture PCR Primer | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | : 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. |
| | 8bp Indexes A01–H02 | 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. |

Section 5. Firefighting measures

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| RNA Seq ILM Post-capture PCR Primer | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| RNA Seq Second-strand + End-Repair Oligo Mix | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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| 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 spilt material. Put on appropriate personal protective equipment. |
| | SureSelect Ligation Master Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | RNA Seq dA Tailing Master Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | RNA Seq PCR Master Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | RNA Seq First Strand Master Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | Uracil DNA Glycosylase (UDG) | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | SureSelect Oligo Adaptor Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| | SureSelect Primer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected |

Section 6. Accidental release measures

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| 8bp Indexes A01–H02 | personnel from entering. Do not touch or walk through spilt material. 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 spilt material. Put on appropriate personal protective equipment. |
| RNA Seq ILM Reverse PCR Primer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| RNA Seq ILM Post-capture PCR Primer | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| RNA Seq Second-strand + End-Repair Oligo Mix | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. |
| For emergency responders : RNA Seq Fragmentation Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Ligation Master Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| RNA Seq Second-strand + End-Repair Enzyme Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| RNA Seq dA Tailing Master Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| RNA Seq PCR Master Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| RNA Seq First Strand Master Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| Uracil DNA Glycosylase (UDG) | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Oligo Adaptor Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| SureSelect Primer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

Section 6. Accidental release measures

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| 8bp Indexes A01–H02 | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| RNA Seq ILM Reverse PCR Primer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| RNA Seq ILM Post-capture PCR Primer | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |
| RNA Seq Second-strand + End-Repair Oligo Mix | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". |

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| Environmental precautions | : | RNA Seq Fragmentation Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | | SureSelect Ligation Master Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | | RNA Seq Second-strand + End-Repair Enzyme Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | | RNA Seq dA Tailing Master Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). |
| | | RNA Seq PCR Master Mix | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant 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). |
| | | 8bp Indexes A01–H02 | Avoid dispersal of spilt material and runoff and |

Section 6. Accidental release measures

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| | 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). |

Methods and material for containment and cleaning up

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| 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. 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. |

Section 6. Accidental release measures

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| 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. |
| 8bp Indexes A01–H02 | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| RNA Seq ILM Reverse PCR Primer | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| RNA Seq ILM Post-capture PCR Primer | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |
| RNA Seq Second-strand + End-Repair Oligo Mix | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. |

Section 7. Handling and storage

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). |
| | | RNA Seq Second-strand + End-Repair Enzyme Mix | Put on appropriate personal protective equipment (see Section 8). |
| | | RNA Seq dA Tailing Master Mix | Put on appropriate personal protective equipment (see Section 8). |
| | | 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). |
| | | Uracil DNA Glycosylase (UDG) | Put on appropriate personal protective equipment (see Section 8). |
| | | SureSelect Oligo Adaptor Mix | Put on appropriate personal protective equipment (see Section 8). |
| | | SureSelect Primer | Put on appropriate personal protective equipment (see Section 8). |
| | | 8bp Indexes A01–H02 | Put on appropriate personal protective equipment (see Section 8). |
| | | RNA Seq ILM Reverse PCR Primer | Put on appropriate personal protective equipment (see Section 8). |
| | | RNA Seq ILM Post-capture | Put on appropriate personal protective equipment |

Section 7. Handling and storage

Advice on general occupational hygiene

| | |
|---|---|
| PCR Primer | (see Section 8). |
| RNA Seq Second-strand + End-Repair Oligo Mix | Put on appropriate personal protective equipment (see Section 8). |
| RNA Seq Fragmentation Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Ligation Master Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| RNA Seq Second-strand + End-Repair Enzyme Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| RNA Seq dA Tailing Master Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| RNA Seq PCR Master Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| RNA Seq First Strand Master Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Uracil DNA Glycosylase (UDG) | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Oligo Adaptor Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| 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 |

Section 7. Handling and storage

| | |
|--|---|
| 8bp Indexes A01–H02 | contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| RNA Seq 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. |

Conditions for safe storage, including any incompatibilities : RNA Seq Fragmentation Mix

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

Section 7. Handling and storage

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

Section 7. Handling and storage

8bp Indexes A01–H02

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

RNA Seq ILM Reverse PCR Primer

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

RNA Seq ILM Post-capture PCR Primer

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

RNA Seq Second-strand + End-Repair Oligo Mix

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

Section 8. Exposure controls and personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Section 8. Exposure controls and personal protection

| Ingredient name | Exposure limits |
|--|---|
| SureSelect Ligation Master Mix Glycerol Polyethylene glycol | Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. DFG MAC-values list (Germany, 7/2017). PEAK: 8000 mg/m ³ , 4 times per shift, 15 minutes. Form: Inhalable fraction TWA: 1000 mg/m ³ 8 hours. Form: Inhalable fraction |
| RNA Seq Second-strand + End-Repair Enzyme Mix Glycerol | Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. |
| RNA Seq dA Tailing Master Mix Glycerol Polyethylene glycol | Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. DFG MAC-values list (Germany, 7/2017). PEAK: 8000 mg/m ³ , 4 times per shift, 15 minutes. Form: Inhalable fraction TWA: 1000 mg/m ³ 8 hours. Form: Inhalable fraction |
| RNA Seq PCR Master Mix Glycerol | Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. |
| RNA Seq First Strand Master Mix Glycerol | Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. |
| Uracil DNA Glycosylase (UDG) Glycerol | Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. |
| RNA Seq Second-strand + End-Repair Oligo Mix Glycerol | Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. |

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: safety glasses with side-shields.

Skin protection

Section 8. Exposure controls and personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

| | | | |
|-----------------------|---------------------------------------|---|----------------|
| Physical state | : <input checked="" type="checkbox"/> | RNA Seq Fragmentation Mix | Liquid. |
| | | SureSelect Ligation Master Mix | Liquid. |
| | | RNA Seq Second-strand + End-Repair Enzyme Mix | Liquid. |
| | | RNA Seq dA Tailing Master Mix | Liquid. |
| | | RNA Seq PCR Master Mix | Liquid. |
| | | RNA Seq First Strand Master Mix | Liquid. |
| | | Uracil DNA Glycosylase (UDG) | Liquid. |
| | | SureSelect Oligo Adaptor Mix | Liquid. |
| | | SureSelect Primer | Liquid. |
| | | 8bp Indexes A01–H02 | 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 | : <input checked="" type="checkbox"/> | RNA Seq Fragmentation Mix | Not available. |
| | | SureSelect Ligation Master Mix | Not available. |
| | | RNA Seq Second-strand + End-Repair Enzyme Mix | Not available. |
| | | RNA Seq dA Tailing Master Mix | Not available. |
| | | RNA Seq PCR Master Mix | Not available. |
| | | RNA Seq First Strand Master Mix | Not available. |
| | | Uracil DNA Glycosylase (UDG) | Not available. |
| | | SureSelect Oligo Adaptor Mix | Not available. |
| | | SureSelect Primer | Not available. |
| | | 8bp Indexes A01–H02 | 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

| | | | | |
|--------------|------------------------|---|---|----------------|
| Odour | : | 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. | |
| | | 8bp Indexes A01–H02 | 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 | : | 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. | |
| | | 8bp Indexes A01–H02 | 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 | |
| | | 8bp Indexes A01–H02 | 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 | |

Section 9. Physical and chemical properties

| | | | | |
|----------------------|----------------------|---|---|----------------|
| 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) | |
| | | 8bp Indexes A01–H02 | 0°C (32°F) | |
| | | RNA Seq ILM Reverse PCR Primer | 0°C (32°F) | |
| | | 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) | |
| | | 8bp Indexes A01–H02 | 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. | |
| | | 8bp Indexes A01–H02 | 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

| | | | | |
|---|----------------------------------|---|--------------------------------|-----------------|
| 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. | |
| | | 8bp Indexes A01–H02 | Not available. | |
| | | RNA Seq ILM Reverse PCR Primer | Not available. | |
| | | RNA Seq ILM Post-capture PCR Primer | Not available. | |
| | | RNA Seq Second-strand + End-Repair Oligo Mix | Not available. | |
| | Flammability (solid, gas) | : | 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. | |
| | | 8bp Indexes A01–H02 | 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. | |
| | | 8bp Indexes A01–H02 | 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

| | | | | |
|-------------------------|-----------------------|---|--------------------------------|----------------|
| Vapour 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. | |
| | | 8bp Indexes A01–H02 | Not available. | |
| | | RNA Seq ILM Reverse PCR Primer | Not available. | |
| | | RNA Seq ILM Post-capture PCR Primer | Not available. | |
| | | RNA Seq Second-strand + End-Repair Oligo Mix | Not available. | |
| | Vapour density | : | 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. | |
| | | 8bp Indexes A01–H02 | 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. | |
| | | 8bp Indexes A01–H02 | 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

| | | | | |
|----------------------------------|---|---|--|----------------|
| 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. | |
| | | 8bp Indexes A01–H02 | 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. | |
| | 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. | |
| | | 8bp Indexes A01–H02 | 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. | |
| | | 8bp Indexes A01–H02 | Not available. | |
| | | RNA Seq ILM Reverse PCR | Not available. | |

Section 9. Physical and chemical properties

| | | |
|----------------------------------|------------------------------|----------------|
| | Primer | |
| | RNA Seq ILM Post-capture | Not available. |
| | PCR Primer | |
| | RNA Seq Second-strand + | Not available. |
| | End-Repair Oligo Mix | |
| Decomposition temperature | : RNA Seq Fragmentation Mix | Not available. |
| | SureSelect Ligation Master | Not available. |
| | Mix | |
| | RNA Seq Second-strand + | Not available. |
| | End-Repair Enzyme Mix | |
| | RNA Seq dA Tailing Master | Not available. |
| | Mix | |
| | RNA Seq PCR Master Mix | Not available. |
| | RNA Seq First Strand | Not available. |
| | Master Mix | |
| | Uracil DNA Glycosylase | Not available. |
| | (UDG) | |
| | SureSelect Oligo Adaptor Mix | Not available. |
| | SureSelect Primer | Not available. |
| | 8bp Indexes A01–H02 | Not available. |
| | RNA Seq ILM Reverse PCR | Not available. |
| | Primer | |
| | RNA Seq ILM Post-capture | Not available. |
| | PCR Primer | |
| | RNA Seq Second-strand + | Not available. |
| | End-Repair Oligo Mix | |
| Viscosity | : RNA Seq Fragmentation Mix | Not available. |
| | SureSelect Ligation Master | Not available. |
| | Mix | |
| | RNA Seq Second-strand + | Not available. |
| | End-Repair Enzyme Mix | |
| | RNA Seq dA Tailing Master | Not available. |
| | Mix | |
| | RNA Seq PCR Master Mix | Not available. |
| | RNA Seq First Strand | Not available. |
| | Master Mix | |
| | Uracil DNA Glycosylase | Not available. |
| | (UDG) | |
| | SureSelect Oligo Adaptor Mix | Not available. |
| | SureSelect Primer | Not available. |
| | 8bp Indexes A01–H02 | Not available. |
| | RNA Seq ILM Reverse PCR | Not available. |
| | Primer | |
| | RNA Seq ILM Post-capture | Not available. |
| | PCR Primer | |
| | RNA Seq Second-strand + | Not available. |
| | End-Repair Oligo Mix | |

Section 10. Stability and reactivity

| | | |
|-------------------|-----------------------------|--|
| Reactivity | : RNA Seq Fragmentation Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | SureSelect Ligation Master | No specific test data related to reactivity available for this product or its ingredients. |
| | Mix | |
| | RNA Seq Second-strand + | No specific test data related to reactivity available for this product or its ingredients. |
| | End-Repair Enzyme Mix | |
| | RNA Seq dA Tailing Master | No specific test data related to reactivity available for this product or its ingredients. |
| | Mix | |
| | RNA Seq PCR Master Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | RNA Seq First Strand | No specific test data related to reactivity available for this product or its ingredients. |
| | Master Mix | |
| | Uracil DNA Glycosylase | No specific test data related to reactivity available for |

Section 10. Stability and reactivity

| | |
|--|--|
| (UDG) | 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. |
| 8bp Indexes A01–H02 | 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. |

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. |
| 8bp Indexes A01–H02 | 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

| | |
|---|---|
| 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. |
| 8bp Indexes A01–H02 | 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. |

Section 10. Stability and reactivity

| | | | | | |
|---|--|---|--|--------------------------------|--|
| 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. | | |
| | | 8bp Indexes A01–H02 | 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. | | |
| | | Incompatible materials | : | RNA Seq Fragmentation Mix | May react or be incompatible with oxidising materials. |
| | | | | SureSelect Ligation Master Mix | May react or be incompatible with oxidising materials. |
| RNA Seq Second-strand + End-Repair Enzyme Mix | May react or be incompatible with oxidising materials. | | | | |
| RNA Seq dA Tailing Master Mix | May react or be incompatible with oxidising materials. | | | | |
| RNA Seq PCR Master Mix | May react or be incompatible with oxidising materials. | | | | |
| RNA Seq First Strand Master Mix | May react or be incompatible with oxidising materials. | | | | |
| Uracil DNA Glycosylase (UDG) | May react or be incompatible with oxidising materials. | | | | |
| SureSelect Oligo Adaptor Mix | May react or be incompatible with oxidising materials. | | | | |
| SureSelect Primer | May react or be incompatible with oxidising materials. | | | | |
| 8bp Indexes A01–H02 | May react or be incompatible with oxidising materials. | | | | |
| RNA Seq ILM Reverse PCR Primer | May react or be incompatible with oxidising materials. | | | | |
| RNA Seq ILM Post-capture PCR Primer | May react or be incompatible with oxidising materials. | | | | |
| RNA Seq Second-strand + End-Repair Oligo Mix | May react or be incompatible with oxidising materials. | | | | |
| 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. | | |

Section 10. Stability and reactivity

| | |
|--|---|
| Uracil DNA Glycosylase (UDG) | produced. 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. |
| 8bp Indexes A01–H02 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| RNA Seq ILM Reverse PCR Primer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| RNA Seq ILM Post-capture PCR Primer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| RNA Seq Second-strand + End-Repair Oligo Mix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

[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 | - |
| 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 | - |

[Irritation/Corrosion](#)

Section 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 | - | 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 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 | - | 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 | - |

Section 11. Toxicological information

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

Sensitisation

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)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

| | | |
|---|--|--|
| Information on likely routes of exposure | RNA Seq Fragmentation Mix | Not available. |
| | SureSelect Ligation Master Mix | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | RNA Seq Second-strand + End-Repair Enzyme Mix | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | RNA Seq dA Tailing Master Mix | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | RNA Seq PCR Master Mix | Not available. |
| | RNA Seq First Strand Master Mix | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | Uracil DNA Glycosylase (UDG) | Routes of entry anticipated: Oral, Dermal, Inhalation. |
| | SureSelect Oligo Adaptor Mix | Not available. |
| | SureSelect Primer | Not available. |
| | 8bp Indexes A01-H02 | 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

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

Section 11. Toxicological information

| | | |
|---------------------|---|---|
| | 8bp Indexes A01–H02 | No known significant effects or critical hazards. |
| | RNA Seq ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq ILM Post-capture PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | No known significant effects or critical hazards. |
| Inhalation | : 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. |
| | 8bp Indexes A01–H02 | 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 | : 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. |
| | 8bp Indexes A01–H02 | 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. |

Section 11. Toxicological information

| | |
|--|---|
| 8bp Indexes A01–H02 | 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 | 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. | |
| | | 8bp Indexes A01–H02 | 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. | |
| | 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. | |
| | | 8bp Indexes A01–H02 | 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 | No specific data. | |

Section 11. Toxicological information

| | | |
|------------------|---|-------------------|
| | (UDG) | |
| | SureSelect Oligo Adaptor Mix | No specific data. |
| | SureSelect Primer | No specific data. |
| | 8bp Indexes A01–H02 | 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 | 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. |
| | 8bp Indexes A01–H02 | No specific data. |
| | RNA Seq ILM Reverse PCR Primer | No specific data. |
| | RNA Seq ILM Post-capture PCR Primer | No specific data. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | No specific data. |

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

| | | |
|----------------|---|---|
| General | : 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. |
| | 8bp Indexes A01–H02 | 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 | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | |
|------------------------|---|---|
| | PCR Primer | |
| | RNA Seq Second-strand + End-Repair Oligo Mix | No known significant effects or critical hazards. |
| Carcinogenicity | : 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. |
| | 8bp Indexes A01–H02 | No known significant effects or critical hazards. |
| | RNA Seq ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq ILM Post-capture PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | No known significant effects or critical hazards. |
| Mutagenicity | : 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. |
| | 8bp Indexes A01–H02 | No known significant effects or critical hazards. |
| | RNA Seq ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq ILM Post-capture PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | No known significant effects or critical hazards. |
| Teratogenicity | : 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. |
| | 8bp Indexes A01–H02 | 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 | No known significant effects or critical hazards. |

Section 11. Toxicological information

| | | |
|------------------------------|---|---|
| | PCR Primer | |
| | 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. |
| | 8bp Indexes A01–H02 | 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. |
| | 8bp Indexes A01–H02 | No known significant effects or critical hazards. |
| | RNA Seq ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq ILM Post-capture PCR Primer | No known significant effects or critical hazards. |
| | RNA Seq Second-strand + End-Repair Oligo Mix | No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Section 12. Ecological information

| 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 | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 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 | Acute LC50 54000 mg/l Fresh water | Fish - Oncorhynchus mykiss | 96 hours |

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 | | | | |

Section 12. Ecological information

| | | | | |
|---|--|----------------|---|---|
| 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 | - | - |

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 | -1.76 | - | 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 | -1.76 | - | low |

Mobility in soil

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

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

Section 13. Disposal considerations

Disposal methods : 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

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

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

Standard Uniform Schedule of Medicine and Poisons

Not regulated.

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

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 | : <input checked="" type="checkbox"/> Not determined. |
| Japan | : <input checked="" type="checkbox"/> 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. |

Section 15. Regulatory information

| | |
|---------------|--|
| Taiwan | : All components are listed or exempted. |
| Thailand | : Not determined. |
| Turkey | : Not determined. |
| United States | : Not determined. |
| Viet Nam | : Not determined. |

Section 16. Any other relevant information

History

Date of issue/Date of revision : 26/04/2018

Date of previous issue : 26/11/2014

Version : 2

Key to abbreviations

: ADG = Australian Dangerous Goods
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NOHSC = National Occupational Health and Safety Commission
 SUSMP = Standard Uniform Schedule of Medicine and Poisons
 UN = United Nations

Procedure used to derive the classification

| Classification | Justification |
|-----------------|---------------|
| Not classified. | |

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

Note * : *8bp Indexes A01–H02: 5190-7912, 5190-7913, 5190-7914, 5190-7915, 5190-7916, 5190-7917, 5190-7918, 5190-7919, 5190-7920, 5190-7921, 5190-7922, 5190-7923, 5190-7924, 5190-7925, 5190-7926, 5190-7927