

SAFETY DATA SHEET



SureSelect RNA Library Prep, ILM (Pre PCR), Part Number 5500-0134

Section 1. Identification

| | | |
|--------------------------------|---|--|
| Product identifier | : SureSelect RNA Library Prep, ILM (Pre PCR), Part Number 5500-0134 | |
| Part no. (chemical kit) | : 5500-0134 | |
| Part no. | <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Fragmentation Mix <input type="checkbox"/> SureSelect Ligation Master Mix <input type="checkbox"/> Second Strand Enzyme Mix <input type="checkbox"/> dA Tailing Master Mix <input type="checkbox"/> PCR Master Mix <input type="checkbox"/> First Strand Master Mix <input type="checkbox"/> Uracil DNA Glycosylase (UDG) <input type="checkbox"/> SureSelect Oligo Adaptor Mix <input type="checkbox"/> SureSelect Primer <input type="checkbox"/> 8bp Indexes A01–H02 <input type="checkbox"/> ILM Reverse PCR Primer <input type="checkbox"/> ILM Post-Capture PCR Primer <input type="checkbox"/> Second Strand Oligo Mix | <ul style="list-style-type: none"> 5190-6366 5190-3802 5190-7762 5190-6369 5190-6371 5190-6367 5190-6372 5190-6370 5190-4933 Various* 5190-6373 5190-6374 5190-7763 |

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

| | | |
|------------------------|--|---|
| Identified uses | <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Analytical reagent. <input checked="" type="checkbox"/> Fragmentation Mix <input type="checkbox"/> SureSelect Ligation Master Mix <input type="checkbox"/> Second Strand Enzyme Mix <input type="checkbox"/> dA Tailing Master Mix <input type="checkbox"/> PCR Master Mix <input type="checkbox"/> First Strand Master Mix <input type="checkbox"/> Uracil DNA Glycosylase (UDG) <input type="checkbox"/> SureSelect Oligo Adaptor Mix <input type="checkbox"/> SureSelect Primer <input type="checkbox"/> 8bp Indexes A01–H02 <input type="checkbox"/> ILM Reverse PCR Primer <input type="checkbox"/> ILM Post-Capture PCR Primer <input type="checkbox"/> Second Strand Oligo Mix | <ul style="list-style-type: none"> 0.33 ml (16 reactions) 0.08 ml (16 reactions) 0.4 ml (16 reactions) 0.35 ml (16 reactions) 0.88 ml (16 reactions) 0.14 ml (16 reactions) 0.02 ml (16 reactions) 0.09 ml (16 reactions) 0.066 ml (16 reactions) 16 x 0.015 ml (2 reactions) 0.018 ml (16 reactions) 0.018 ml (16 reactions) 0.08 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

Section 2. Hazard(s) identification

SureSelect Ligation Master

Mix
H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

Second Strand Enzyme Mix

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

dA Tailing Master Mix

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

First Strand Master Mix

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

Uracil DNA Glycosylase

(UDG)
H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

GHS label elements

Signal word

| | |
|--------------------------------|-----------------|
| Fragmentation Mix | No signal word. |
| SureSelect Ligation Master Mix | WARNING |
| Second Strand Enzyme Mix | WARNING |
| dA Tailing Master Mix | WARNING |
| PCR Master Mix | No signal word. |
| First Strand Master Mix | WARNING |
| Uracil DNA Glycosylase (UDG) | WARNING |
| SureSelect Oligo Adaptor Mix | No signal word. |
| SureSelect Primer | No signal word. |
| 8bp Indexes A01–H02 | No signal word. |
| ILM Reverse PCR Primer | No signal word. |
| ILM Post-Capture PCR Primer | No signal word. |
| Second Strand Oligo Mix | No signal word. |

Hazard statements

| | |
|--------------------------------|---|
| Fragmentation Mix | No known significant effects or critical hazards. |
| SureSelect Ligation Master Mix | H320 - Causes eye irritation. |
| Second Strand Enzyme Mix | H320 - Causes eye irritation. |
| dA Tailing Master Mix | H320 - Causes eye irritation. |
| PCR Master Mix | No known significant effects or critical hazards. |
| First Strand Master Mix | H320 - Causes eye irritation. |
| Uracil DNA Glycosylase (UDG) | H320 - Causes eye irritation. |
| SureSelect Oligo Adaptor Mix | No known significant effects or critical hazards. |
| SureSelect Primer | No known significant effects or critical hazards. |
| 8bp Indexes A01–H02 | No known significant effects or critical hazards. |
| ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| Second Strand Oligo Mix | No known significant effects or critical hazards. |

Precautionary statements

Prevention

| | |
|--------------------------------|-----------------|
| Fragmentation Mix | Not applicable. |
| SureSelect Ligation Master Mix | Not applicable. |
| Second Strand Enzyme Mix | Not applicable. |
| dA Tailing Master Mix | Not applicable. |
| PCR Master Mix | Not applicable. |
| First Strand Master Mix | Not applicable. |
| Uracil DNA Glycosylase (UDG) | Not applicable. |
| SureSelect Oligo Adaptor Mix | Not applicable. |

Section 2. Hazard(s) identification

| | | |
|-----------------|--------------------------------|--|
| | SureSelect Primer | Not applicable. |
| | 8bp Indexes A01–H02 | Not applicable. |
| | ILM Reverse PCR Primer | Not applicable. |
| | ILM Post-Capture PCR Primer | Not applicable. |
| | Second Strand Oligo Mix | Not applicable. |
| Response | : Fragmentation Mix | Not applicable. |
| | SureSelect Ligation Master Mix | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| | Second Strand Enzyme Mix | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| | dA Tailing Master Mix | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| | PCR Master Mix | Not applicable. |
| | First Strand Master Mix | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| | Uracil DNA Glycosylase (UDG) | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention. |
| | SureSelect Oligo Adaptor Mix | Not applicable. |
| | SureSelect Primer | Not applicable. |
| | 8bp Indexes A01–H02 | Not applicable. |
| | ILM Reverse PCR Primer | Not applicable. |
| | ILM Post-Capture PCR Primer | Not applicable. |
| | Second Strand Oligo Mix | Not applicable. |
| Storage | : Fragmentation Mix | Not applicable. |
| | SureSelect Ligation Master Mix | Not applicable. |
| | Second Strand Enzyme Mix | Not applicable. |
| | dA Tailing Master Mix | Not applicable. |
| | PCR Master Mix | Not applicable. |
| | 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. |
| | ILM Reverse PCR Primer | Not applicable. |
| | ILM Post-Capture PCR Primer | Not applicable. |
| | Second Strand Oligo Mix | Not applicable. |

Section 2. Hazard(s) identification

| | | | |
|--|---|--------------------------------|-----------------|
| Disposal | : | Fragmentation Mix | Not applicable. |
| | | SureSelect Ligation Master Mix | Not applicable. |
| | | Second Strand Enzyme Mix | Not applicable. |
| | | dA Tailing Master Mix | Not applicable. |
| | | PCR Master Mix | Not applicable. |
| | | 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. |
| | | ILM Reverse PCR Primer | Not applicable. |
| | | ILM Post-Capture PCR Primer | Not applicable. |
| | | Second Strand Oligo Mix | Not applicable. |
| | | | |
| Supplemental label elements | | | |
| Additional warning phrases | : | Fragmentation Mix | Not applicable. |
| | | SureSelect Ligation Master Mix | Not applicable. |
| | | Second Strand Enzyme Mix | Not applicable. |
| | | dA Tailing Master Mix | Not applicable. |
| | | PCR Master Mix | Not applicable. |
| | | 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. |
| | | ILM Reverse PCR Primer | Not applicable. |
| | | ILM Post-Capture PCR Primer | Not applicable. |
| | | Second Strand Oligo Mix | Not applicable. |
| | | | |
| Other hazards which do not result in classification | : | Fragmentation Mix | None known. |
| | | SureSelect Ligation Master Mix | None known. |
| | | Second Strand Enzyme Mix | None known. |
| | | dA Tailing Master Mix | None known. |
| | | PCR Master Mix | None known. |
| | | 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. |
| | | ILM Reverse PCR Primer | None known. |
| | | ILM Post-Capture PCR Primer | None known. |
| | | Second Strand Oligo Mix | None known. |

Section 3. Composition and ingredient information

| | | | |
|--------------------------|---|--------------------------------|---------|
| Substance/mixture | : | Fragmentation Mix | Mixture |
| | | SureSelect Ligation Master Mix | Mixture |
| | | Second Strand Enzyme Mix | Mixture |
| | | dA Tailing Master Mix | Mixture |
| | | PCR Master Mix | Mixture |
| | | First Strand Master Mix | Mixture |
| | | Uracil DNA Glycosylase (UDG) | Mixture |
| | | SureSelect Oligo Adaptor Mix | Mixture |

Section 3. Composition and ingredient information

| | |
|-----------------------------|---------|
| SureSelect Primer | Mixture |
| 8bp Indexes A01–H02 | Mixture |
| ILM Reverse PCR Primer | Mixture |
| ILM Post-Capture PCR Primer | Mixture |
| Second Strand Oligo Mix | Mixture |

CAS number/other identifiers

| Ingredient name | % (w/w) | CAS number |
|--|-----------|------------|
| SureSelect Ligation Master Mix | | |
| Glycerol | ≥30 - ≤60 | 56-81-5 |
| Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated | ≥10 - ≤30 | 25322-68-3 |
| Second Strand Enzyme Mix | | |
| Glycerol | ≥10 - ≤30 | 56-81-5 |
| dA Tailing Master Mix | | |
| Glycerol | ≥10 - ≤30 | 56-81-5 |
| Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated | ≥10 - ≤30 | 25322-68-3 |
| PCR Master Mix | | |
| Glycerol | <10 | 56-81-5 |
| First Strand Master Mix | | |
| Glycerol | ≥10 - ≤30 | 56-81-5 |
| Uracil DNA Glycosylase (UDG) | | |
| Glycerol | ≥60 - ≤75 | 56-81-5 |

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

The total concentration of ingredients in this product, reported or not in this section, is 100%.

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

Section 4. First aid measures


Description of necessary first aid measures

| | | |
|--------------------|--------------------------------|---|
| Eye contact | : Fragmentation Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| | SureSelect Ligation Master Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| | Second Strand Enzyme Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue |

Section 4. First aid measures

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| | to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| dA Tailing Master Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| 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. |
| First Strand Master Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| Uracil DNA Glycosylase (UDG) | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. |
| SureSelect Oligo Adaptor Mix | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| SureSelect Primer | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs. |
| 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. |
| 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. |
| 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. |
| Second Strand 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

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

Section 4. First aid measures

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

Section 4. First aid measures

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| | ILM Post-Capture PCR Primer | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| | Second Strand Oligo Mix | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. |
| Skin contact | :  Fragmentation Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureSelect Ligation Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Second Strand Enzyme Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | dA Tailing Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | PCR Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | First Strand Master Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | Uracil DNA Glycosylase (UDG) | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| | SureSelect Oligo Adaptor Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | SureSelect Primer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | 8bp Indexes A01–H02 | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | ILM Reverse PCR Primer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | ILM Post-Capture PCR Primer | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| | Second Strand Oligo Mix | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. |
| Ingestion | :  Fragmentation Mix | Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| | SureSelect Ligation Master Mix | Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention |

Section 4. First aid measures

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| | if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Second Strand Enzyme Mix | Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| dA Tailing Master Mix | Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| PCR Master Mix | Wash out mouth with water. 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. |
| First Strand Master Mix | Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| Uracil DNA Glycosylase (UDG) | Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If |

Section 4. First aid measures

| | |
|------------------------------|--|
| | unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| SureSelect Oligo Adaptor Mix | Wash out mouth with water. 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. 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. 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. |
| ILM Reverse PCR Primer | Wash out mouth with water. 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. |
| ILM Post-Capture PCR Primer | Wash out mouth with water. 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. |
| Second Strand Oligo Mix | Wash out mouth with water. 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

| | |
|--------------------------------|---|
| : Fragmentation Mix | No known significant effects or critical hazards. |
| SureSelect Ligation Master Mix | Causes eye irritation. |
| Second Strand Enzyme Mix | Causes eye irritation. |
| dA Tailing Master Mix | Causes eye irritation. |
| PCR Master Mix | No known significant effects or critical hazards. |
| First Strand Master Mix | Causes eye irritation. |
| Uracil DNA Glycosylase (UDG) | Causes eye irritation. |
| 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. |
| ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| Second Strand Oligo Mix | No known significant effects or critical hazards. |

Inhalation

| | |
|--------------------------------|---|
| : Fragmentation Mix | No known significant effects or critical hazards. |
| SureSelect Ligation Master Mix | No known significant effects or critical hazards. |
| Second Strand Enzyme Mix | No known significant effects or critical hazards. |
| dA Tailing Master Mix | No known significant effects or critical hazards. |
| PCR Master Mix | No known significant effects or critical hazards. |
| First Strand Master Mix | No known significant effects or critical hazards. |
| Uracil DNA Glycosylase (UDG) | No known significant effects or critical hazards. |

Section 4. First aid measures

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| | 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. |
| | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | Second Strand Oligo Mix | No known significant effects or critical hazards. |
| Skin contact | : Fragmentation Mix | No known significant effects or critical hazards. |
| | SureSelect Ligation Master Mix | No known significant effects or critical hazards. |
| | Second Strand Enzyme Mix | No known significant effects or critical hazards. |
| | dA Tailing Master Mix | No known significant effects or critical hazards. |
| | PCR Master Mix | No known significant effects or critical hazards. |
| | 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. |
| | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | Second Strand Oligo Mix | No known significant effects or critical hazards. |
| Ingestion | : Fragmentation Mix | No known significant effects or critical hazards. |
| | SureSelect Ligation Master Mix | No known significant effects or critical hazards. |
| | Second Strand Enzyme Mix | No known significant effects or critical hazards. |
| | dA Tailing Master Mix | No known significant effects or critical hazards. |
| | PCR Master Mix | No known significant effects or critical hazards. |
| | 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. |
| | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | Second Strand Oligo Mix | No known significant effects or critical hazards. |
| <u>Over-exposure signs/symptoms</u> | | |
| Eye contact | : Fragmentation Mix | No specific data. |
| | SureSelect Ligation Master Mix | Adverse symptoms may include the following: irritation watering redness |
| | Second Strand Enzyme Mix | Adverse symptoms may include the following: irritation watering redness |
| | dA Tailing Master Mix | Adverse symptoms may include the following: irritation watering redness |
| | PCR Master Mix | No specific data. |
| | First Strand Master Mix | Adverse symptoms may include the following: irritation watering redness |
| | Uracil DNA Glycosylase (UDG) | Adverse symptoms may include the following: irritation watering |

Section 4. First aid measures

redness

| | | |
|---------------------|-----------------------------------|-------------------|
| | SureSelect Oligo Adaptor Mix | No specific data. |
| | SureSelect Primer | No specific data. |
| | 8bp Indexes A01–H02 | No specific data. |
| | ILM Reverse PCR Primer | No specific data. |
| | ILM Post-Capture PCR Primer | No specific data. |
| | Second Strand Oligo Mix | No specific data. |
| Inhalation | : Fragmentation Mix | No specific data. |
| | SureSelect Ligation Master Mix | No specific data. |
| | Second Strand Enzyme Mix | No specific data. |
| | dA Tailing Master Mix | No specific data. |
| | PCR Master Mix | No specific data. |
| | 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. |
| | ILM Reverse PCR Primer | No specific data. |
| | ILM Post-Capture PCR Primer | No specific data. |
| | Second Strand Oligo Mix | No specific data. |
| Skin contact | : Fragmentation Mix | No specific data. |
| | SureSelect Ligation Master Mix | No specific data. |
| | Second Strand Enzyme Mix | No specific data. |
| | dA Tailing Master Mix | No specific data. |
| | PCR Master Mix | No specific data. |
| | 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. |
| | ILM Reverse PCR Primer | No specific data. |
| | ILM Post-Capture PCR Primer | No specific data. |
| | Second Strand Oligo Mix | No specific data. |
| Ingestion | : Fragmentation Mix | No specific data. |
| | SureSelect Ligation Master Mix | No specific data. |
| | Second Strand Enzyme Mix | No specific data. |
| | dA Tailing Master Mix | No specific data. |
| | PCR Master Mix | No specific data. |
| | 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. |
| | ILM Reverse PCR Primer | No specific data. |
| | ILM Post-Capture PCR Primer | No specific data. |
| | Second Strand 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 | : | Fragmentation Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | SureSelect Ligation Master Mix | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| | | Second Strand Enzyme Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | dA Tailing Master Mix | In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
| | | PCR Master Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | First Strand Master Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | Uracil DNA Glycosylase (UDG) | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | SureSelect Oligo Adaptor Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | SureSelect Primer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | 8bp Indexes A01–H02 | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | ILM Reverse PCR Primer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | ILM Post-Capture PCR Primer | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| | | Second Strand Oligo Mix | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : | Fragmentation Mix | No specific treatment. |
| | | SureSelect Ligation Master Mix | No specific treatment. |
| | | Second Strand Enzyme Mix | No specific treatment. |
| | | dA Tailing Master Mix | No specific treatment. |
| | | PCR Master Mix | No specific treatment. |
| | | First Strand Master Mix | No specific treatment. |
| | | Uracil DNA Glycosylase (UDG) | No specific treatment. |
| | | SureSelect Oligo Adaptor Mix | No specific treatment. |
| | | SureSelect Primer | No specific treatment. |
| | | 8bp Indexes A01–H02 | No specific treatment. |
| | | ILM Reverse PCR Primer | No specific treatment. |
| | | ILM Post-Capture PCR Primer | No specific treatment. |
| | | Second Strand Oligo Mix | No specific treatment. |

Section 4. First aid measures

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| Protection of first-aiders | : | Fragmentation Mix | No action shall be taken involving any personal risk or without suitable training. |
| | | SureSelect Ligation Master Mix | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | | Second Strand Enzyme Mix | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | | dA Tailing Master Mix | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | | PCR Master Mix | No action shall be taken involving any personal risk or without suitable training. |
| | | First Strand Master Mix | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | | Uracil DNA Glycosylase (UDG) | No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |
| | | SureSelect Oligo Adaptor Mix | No action shall be taken involving any personal risk or without suitable training. |
| | | SureSelect Primer | No action shall be taken involving any personal risk or without suitable training. |
| | | 8bp Indexes A01–H02 | No action shall be taken involving any personal risk or without suitable training. |
| | | ILM Reverse PCR Primer | No action shall be taken involving any personal risk or without suitable training. |
| | | ILM Post-Capture PCR Primer | No action shall be taken involving any personal risk or without suitable training. |
| | | Second Strand 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 | : | Fragmentation Mix | Use an extinguishing agent suitable for the surrounding fire. |
| | | SureSelect Ligation Master Mix | Use an extinguishing agent suitable for the surrounding fire. |
| | | Second Strand Enzyme Mix | Use an extinguishing agent suitable for the surrounding fire. |
| | | dA Tailing Master Mix | Use an extinguishing agent suitable for the surrounding fire. |
| | | PCR Master Mix | Use an extinguishing agent suitable for the surrounding fire. |
| | | 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. |
| | | ILM Reverse PCR Primer | Use an extinguishing agent suitable for the surrounding fire. |

Section 5. Firefighting measures

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| | ILM Post-Capture PCR Primer | surrounding fire. Use an extinguishing agent suitable for the surrounding fire. |
| | Second Strand Oligo Mix | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : Fragmentation Mix | None known. |
| | SureSelect Ligation Master Mix | None known. |
| | Second Strand Enzyme Mix | None known. |
| | dA Tailing Master Mix | None known. |
| | PCR Master Mix | None known. |
| | 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. |
| | ILM Reverse PCR Primer | None known. |
| | ILM Post-Capture PCR Primer | None known. |
| | Second Strand Oligo Mix | None known. |
| Specific hazards arising from the chemical | : Fragmentation Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | SureSelect Ligation Master Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | Second Strand Enzyme Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | dA Tailing Master Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | PCR Master Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | 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. |
| | ILM Reverse PCR Primer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | ILM Post-Capture PCR Primer | In a fire or if heated, a pressure increase will occur and the container may burst. |
| | Second Strand Oligo Mix | In a fire or if heated, a pressure increase will occur and the container may burst. |
| Hazardous thermal decomposition products | : Fragmentation Mix | No specific data. |
| | SureSelect Ligation Master Mix | Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds |
| | Second Strand Enzyme Mix | Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides |
| | 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 |
| PCR Master Mix | Decomposition products may include the following materials: carbon dioxide carbon monoxide |
| 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. |
| ILM Reverse PCR Primer | No specific data. |
| ILM Post-Capture PCR Primer | No specific data. |
| Second Strand Oligo Mix | No specific data. |
| Special protective actions for fire-fighters : 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. |
| Second Strand 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. |
| 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. |
| 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. |
| First Strand Master Mix | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Uracil DNA Glycosylase (UDG) | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Oligo Adaptor Mix | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| SureSelect Primer | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| 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 |

Section 5. Firefighting measures

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| | ILM Reverse PCR Primer | without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| | 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. |
| | Second Strand 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 | : 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. |
| | Second Strand 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. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | 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. |
| | Second Strand Oligo Mix | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus |

Section 5. Firefighting measures

(SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Second Strand Enzyme Mix

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

dA Tailing Master Mix

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

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.

First Strand Master Mix

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

Uracil DNA Glycosylase (UDG)

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

SureSelect Oligo Adaptor Mix

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal

Section 6. Accidental release measures

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| SureSelect Primer | 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. |
| 8bp Indexes A01–H02 | 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. |
| 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. |
| 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. |
| Second Strand 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 : 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". |
| Second Strand 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". |
| 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". |
| 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". |
| 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". |

Section 6. Accidental release measures

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| 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". |
| 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". |
| 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". |
| 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". |
| Second Strand 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 : | 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). |
| | Second Strand 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). |
| | 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). |
| | 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). |
| | 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. |

Section 6. Accidental release measures

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| 8bp Indexes A01–H02 | Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |
| ILM Reverse PCR Primer | Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |
| ILM Post-Capture PCR Primer | Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |
| Second Strand Oligo Mix | Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |

Methods and material for containment and cleaning up

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| Methods for cleaning up | : 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. |
| Second Strand 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. |
| 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. |
| 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. |
| 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. |

Section 6. Accidental release measures

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

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|--------------------------------|--|
| Fragmentation Mix | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Ligation Master Mix | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| Second Strand Enzyme Mix | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| dA Tailing Master Mix | Put on appropriate personal protective equipment |

Section 7. Handling and storage

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

| | |
|---|--|
| PCR Master Mix | Put on appropriate personal protective equipment (see Section 8). |
| First Strand Master Mix | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| Uracil DNA Glycosylase (UDG) | Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| SureSelect Oligo Adaptor Mix | Put on appropriate personal protective equipment (see Section 8). |
| SureSelect Primer | Put on appropriate personal protective equipment (see Section 8). |
| 8bp Indexes A01–H02 | Put on appropriate personal protective equipment (see Section 8). |
| ILM Reverse PCR Primer | Put on appropriate personal protective equipment (see Section 8). |
| ILM Post-Capture PCR Primer | Put on appropriate personal protective equipment (see Section 8). |
| Second Strand Oligo Mix | Put on appropriate personal protective equipment (see Section 8). |
| Advice on general occupational hygiene : 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. |
| Second Strand 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. |
| 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 |

Section 7. Handling and storage

| | |
|------------------------------|--|
| PCR Master Mix | before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| First Strand Master Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| Uracil DNA Glycosylase (UDG) | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Oligo Adaptor Mix | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| SureSelect Primer | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |
| 8bp Indexes A01–H02 | 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. |
| 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. |
| 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. |
| Second Strand 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 |

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Fragmentation Mix

before entering eating areas. See also Section 8 for additional information on hygiene measures.

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.

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.

Second Strand Enzyme Mix

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

dA Tailing Master Mix

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

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.

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

Section 7. Handling and storage

Uracil DNA Glycosylase
(UDG)

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. 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 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.

8bp Indexes A01–H02

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.

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.

ILM Post-Capture PCR
Primer

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

Section 7. Handling and storage

Second Strand Oligo Mix

dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in 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.

Section 8. Exposure controls and personal protection

[Control parameters](#)

[Occupational exposure limits](#)

| Ingredient name | Exposure limits |
|---|--|
| SureSelect Ligation Master Mix Glycerol Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours. DFG MAC-values list (Germany, 7/2023). PEAK: 400 mg/m ³ , 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m ³ 8 hours. Form: inhalable fraction |
| Second Strand Enzyme Mix Glycerol | Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours. |
| dA Tailing Master Mix Glycerol Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours. DFG MAC-values list (Germany, 7/2023). PEAK: 400 mg/m ³ , 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m ³ 8 hours. Form: inhalable fraction |
| PCR Master Mix Glycerol | Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours. |
| First Strand Master Mix Glycerol | Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours. |
| Uracil DNA Glycosylase (UDG) Glycerol | Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours. |

Section 8. Exposure controls and personal protection

Biological exposure indices

No exposure indices known.

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

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- 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 and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

- Physical state** :
- | | |
|--------------------------------|---------|
| Fragmentation Mix | Liquid. |
| SureSelect Ligation Master Mix | Liquid. |
| Second Strand Enzyme Mix | Liquid. |
| dA Tailing Master Mix | Liquid. |
| PCR Master Mix | Liquid. |
| First Strand Master Mix | Liquid. |
| Uracil DNA Glycosylase (UDG) | Liquid. |
| SureSelect Oligo Adaptor Mix | Liquid. |
| SureSelect Primer | Liquid. |
| 8bp Indexes A01–H02 | Liquid. |

Section 9. Physical and chemical properties and safety characteristics

| | | |
|------------------------|--------------------------------|----------------|
| | ILM Reverse PCR Primer | Liquid. |
| | ILM Post-Capture PCR Primer | Liquid. |
| | Second Strand Oligo Mix | Liquid. |
| Colour | : Fragmentation Mix | Not available. |
| | SureSelect Ligation Master Mix | Not available. |
| | Second Strand Enzyme Mix | Not available. |
| | dA Tailing Master Mix | Not available. |
| | PCR Master Mix | Not available. |
| | 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. |
| | ILM Reverse PCR Primer | Not available. |
| | ILM Post-Capture PCR Primer | Not available. |
| Odour | : Fragmentation Mix | Not available. |
| | SureSelect Ligation Master Mix | Not available. |
| | Second Strand Enzyme Mix | Not available. |
| | dA Tailing Master Mix | Not available. |
| | PCR Master Mix | Not available. |
| | 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. |
| | ILM Reverse PCR Primer | Not available. |
| | ILM Post-Capture PCR Primer | Not available. |
| Odour threshold | : Fragmentation Mix | Not available. |
| | SureSelect Ligation Master Mix | Not available. |
| | Second Strand Enzyme Mix | Not available. |
| | dA Tailing Master Mix | Not available. |
| | PCR Master Mix | Not available. |
| | 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. |
| | ILM Reverse PCR Primer | Not available. |
| | ILM Post-Capture PCR Primer | Not available. |
| pH | : Fragmentation Mix | 8.3 |
| | SureSelect Ligation Master Mix | 7.5 |
| | Second Strand Enzyme Mix | 8.3 |
| | dA Tailing Master Mix | 7.5 |
| | PCR Master Mix | 8.8 |
| | First Strand Master Mix | 8.3 |
| | Uracil DNA Glycosylase (UDG) | Not available. |

Section 9. Physical and chemical properties and safety characteristics

| | | |
|--|--------------------------------|----------------|
| | SureSelect Oligo Adaptor Mix | Not available. |
| | SureSelect Primer | 7.5 |
| | 8bp Indexes A01–H02 | 7 |
| | ILM Reverse PCR Primer | 7 |
| | ILM Post-Capture PCR Primer | 7 |
| | Second Strand Oligo Mix | 7.5 |
| Melting point/freezing point | Fragmentation Mix | 0°C (32°F) |
| | SureSelect Ligation Master Mix | Not available. |
| | Second Strand Enzyme Mix | Not available. |
| | dA Tailing Master Mix | Not available. |
| | PCR Master Mix | Not available. |
| | 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) |
| | ILM Reverse PCR Primer | 0°C (32°F) |
| | ILM Post-Capture PCR Primer | 0°C (32°F) |
| | Second Strand Oligo Mix | 0°C (32°F) |
| Boiling point, initial boiling point, and boiling range | Fragmentation Mix | 100°C (212°F) |
| | SureSelect Ligation Master Mix | Not available. |
| | Second Strand Enzyme Mix | Not available. |
| | dA Tailing Master Mix | Not available. |
| | PCR Master Mix | Not available. |
| | 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) |
| | ILM Reverse PCR Primer | 100°C (212°F) |
| | ILM Post-Capture PCR Primer | 100°C (212°F) |
| | Second Strand Oligo Mix | 100°C (212°F) |

| | | | | | | | | |
|--------------------|---|---|-------------------|--------------|---------------|-----------------|----------------|---------------|
| Flash point | : | | Closed cup | | | Open cup | | |
| | | Ingredient name | °C | °F | Method | °C | °F | Method |
| | | SureSelect Ligation Master Mix | | | | | | |
| | | Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated | 171 to 235 | 339.8 to 455 | - | 199 to 238 | 390.2 to 460.4 | - |
| | | Glycerol | - | - | - | 177 | 350.6 | - |
| | | Second Strand Enzyme Mix | | | | | | |
| | | Glycerol | - | - | - | 177 | 350.6 | - |
| | | dA Tailing Master | | | | | | |

Section 9. Physical and chemical properties and safety characteristics

| | | | | | | | |
|---|------------|--------------|---|--|------------|----------------|---|
| Mix | | | | | | | |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated | 171 to 235 | 339.8 to 455 | - | | 199 to 238 | 390.2 to 460.4 | - |
| Glycerol | - | - | - | | 177 | 350.6 | - |
| PCR Master Mix | | | | | | | |
| Glycerol | - | - | - | | 177 | 350.6 | - |
| First Strand Master Mix | | | | | | | |
| Glycerol | - | - | - | | 177 | 350.6 | - |
| Uracil DNA Glycosylase (UDG) | | | | | | | |
| Glycerol | - | - | - | | 177 | 350.6 | - |

Evaporation rate :

- Fragmentation Mix Not available.
- SureSelect Ligation Master Mix Not available.
- Second Strand Enzyme Mix Not available.
- dA Tailing Master Mix Not available.
- PCR Master Mix Not available.
- 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.
- ILM Reverse PCR Primer Not available.
- ILM Post-Capture PCR Primer Not available.
- Second Strand Oligo Mix Not available.

Flammability :

- Fragmentation Mix Not applicable.
- SureSelect Ligation Master Mix Not applicable.
- Second Strand Enzyme Mix Not applicable.
- dA Tailing Master Mix Not applicable.
- PCR Master Mix Not applicable.
- 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.
- ILM Reverse PCR Primer Not applicable.
- ILM Post-Capture PCR Primer Not applicable.
- Second Strand Oligo Mix Not applicable.

Section 9. Physical and chemical properties and safety characteristics

| | | |
|---|---------------------------------------|----------------|
| Lower and upper explosion limit/flammability limit | Fragmentation Mix | Not available. |
| | SureSelect Ligation Master Mix | Not available. |
| | Second Strand Enzyme Mix | Not available. |
| | dA Tailing Master Mix | Not available. |
| | PCR Master Mix | Not available. |
| | 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. |
| | ILM Reverse PCR Primer | Not available. |
| | ILM Post-Capture PCR Primer | Not available. |
| | Second Strand Oligo Mix | Not available. |

Vapour pressure

| Ingredient name | Vapour Pressure at 20 °C | | | Vapour pressure at 50 °C | | |
|---------------------------------------|--------------------------|---------|--------|--------------------------|---------|--------|
| | mm Hg | kPa | Method | mm Hg | kPa | Method |
| Fragmentation Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| SureSelect Ligation Master Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| Glycerol | 0.000075 | 0.00001 | - | 0.0025 | 0.00033 | - |
| Second Strand Enzyme Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| Glycerol | 0.000075 | 0.00001 | - | 0.0025 | 0.00033 | - |
| dA Tailing Master Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| Glycerol | 0.000075 | 0.00001 | - | 0.0025 | 0.00033 | - |
| PCR Master Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| Glycerol | 0.000075 | 0.00001 | - | 0.0025 | 0.00033 | - |
| First Strand Master Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |

Section 9. Physical and chemical properties and safety characteristics

| | | | | | | |
|-------------------------------------|----------|---------|---|--------|---------|---|
| Glycerol | 0.000075 | 0.00001 | - | 0.0025 | 0.00033 | - |
| Uracil DNA Glycosylase (UDG) | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| Glycerol | 0.000075 | 0.00001 | - | 0.0025 | 0.00033 | - |
| SureSelect Oligo Adaptor Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| SureSelect Primer | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| 8bp Indexes A01-H02 | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| ILM Reverse PCR Primer | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| ILM Post-Capture PCR Primer | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |
| Second Strand Oligo Mix | | | | | | |
| water | 17.5 | 2.3 | - | 92.258 | 12.3 | - |

Relative vapour density :

| | |
|--------------------------------|----------------|
| Fragmentation Mix | Not available. |
| SureSelect Ligation Master Mix | Not available. |
| Second Strand Enzyme Mix | Not available. |
| dA Tailing Master Mix | Not available. |
| PCR Master Mix | Not available. |
| 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. |
| ILM Reverse PCR Primer | Not available. |
| ILM Post-Capture PCR Primer | Not available. |
| Second Strand Oligo Mix | Not available. |

Section 9. Physical and chemical properties and safety characteristics

| | | | |
|-------------------------|---|--------------------------------|----------------|
| Relative density | : | Fragmentation Mix | Not available. |
| | | SureSelect Ligation Master Mix | Not available. |
| | | Second Strand Enzyme Mix | Not available. |
| | | dA Tailing Master Mix | Not available. |
| | | PCR Master Mix | Not available. |
| | | 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. |
| | | ILM Reverse PCR Primer | Not available. |
| | | ILM Post-Capture PCR Primer | Not available. |
| | | Second Strand Oligo Mix | Not available. |

| | | | |
|------------------------------------|---------|---------------------------------------|---------------|
| Solubility(ies) | : | Media | Result |
| | | Fragmentation Mix | |
| | | water | Soluble |
| | | SureSelect Ligation Master Mix | |
| | | water | Soluble |
| | | Second Strand Enzyme Mix | |
| | | water | Soluble |
| | | dA Tailing Master Mix | |
| | | water | Soluble |
| | | PCR Master Mix | |
| | | water | Soluble |
| | | First Strand Master Mix | |
| | | water | Soluble |
| | | Uracil DNA Glycosylase (UDG) | |
| | | water | Soluble |
| | | SureSelect Oligo Adaptor Mix | |
| | | water | Soluble |
| | | SureSelect Primer | |
| | | water | Soluble |
| | | 8bp Indexes A01–H02 | |
| water | Soluble | | |
| ILM Reverse PCR Primer | | | |
| water | Soluble | | |
| ILM Post-Capture PCR Primer | | | |
| water | Soluble | | |
| Second Strand Oligo Mix | | | |
| water | Soluble | | |

| | | | |
|---|---|--------------------------------|-----------------|
| Partition coefficient: n-octanol/water | : | Fragmentation Mix | Not applicable. |
| | | SureSelect Ligation Master Mix | Not applicable. |
| | | Second Strand Enzyme Mix | Not applicable. |
| | | dA Tailing Master Mix | Not applicable. |
| | | PCR Master Mix | Not applicable. |
| | | 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. |
| | | ILM Reverse PCR Primer | Not applicable. |
| | | ILM Post-Capture PCR Primer | Not applicable. |
| | | Second Strand Oligo Mix | Not applicable. |

Auto-ignition temperature :

Section 9. Physical and chemical properties and safety characteristics

| Ingredient name | °C | °F | Method |
|--|-----|-----|--------|
| SureSelect Ligation Master Mix | | | |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | 360 | 680 | - |
| Glycerol | 370 | 698 | - |
| Second Strand Enzyme Mix | | | |
| Glycerol | 370 | 698 | - |
| dA Tailing Master Mix | | | |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | 360 | 680 | - |
| Glycerol | 370 | 698 | - |
| PCR Master Mix | | | |
| Glycerol | 370 | 698 | - |
| First Strand Master Mix | | | |
| Glycerol | 370 | 698 | - |
| Uracil DNA Glycosylase (UDG) | | | |
| Glycerol | 370 | 698 | - |

Decomposition temperature :

| | |
|--------------------------------|----------------|
| Fragmentation Mix | Not available. |
| SureSelect Ligation Master Mix | Not available. |
| Second Strand Enzyme Mix | Not available. |
| dA Tailing Master Mix | Not available. |
| PCR Master Mix | Not available. |
| 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. |
| ILM Reverse PCR Primer | Not available. |
| ILM Post-Capture PCR Primer | Not available. |
| Second Strand Oligo Mix | Not available. |

Section 9. Physical and chemical properties and safety characteristics

| | | |
|------------------|--------------------------------|----------------|
| Viscosity | : Fragmentation Mix | Not available. |
| | SureSelect Ligation Master Mix | Not available. |
| | Second Strand Enzyme Mix | Not available. |
| | dA Tailing Master Mix | Not available. |
| | PCR Master Mix | Not available. |
| | 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. |
| | ILM Reverse PCR Primer | Not available. |
| | ILM Post-Capture PCR Primer | Not available. |
| | Second Strand Oligo Mix | Not available. |

Particle characteristics

Median particle size

| | |
|--------------------------------|-----------------|
| : Fragmentation Mix | Not applicable. |
| SureSelect Ligation Master Mix | Not applicable. |
| Second Strand Enzyme Mix | Not applicable. |
| dA Tailing Master Mix | Not applicable. |
| PCR Master Mix | Not applicable. |
| 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. |
| ILM Reverse PCR Primer | Not applicable. |
| ILM Post-Capture PCR Primer | Not applicable. |
| Second Strand Oligo Mix | Not applicable. |

Section 10. Stability and reactivity

| | | |
|-------------------|--------------------------------|--|
| Reactivity | : Fragmentation Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | SureSelect Ligation Master Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | Second Strand Enzyme Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | dA Tailing Master Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | PCR Master Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | First Strand Master Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | Uracil DNA Glycosylase (UDG) | No specific test data related to reactivity available for this product or its ingredients. |
| | SureSelect Oligo Adaptor Mix | No specific test data related to reactivity available for this product or its ingredients. |
| | SureSelect Primer | No specific test data related to reactivity available for this product or its ingredients. |
| | 8bp Indexes A01–H02 | No specific test data related to reactivity available for this product or its ingredients. |
| | ILM Reverse PCR Primer | No specific test data related to reactivity available for this product or its ingredients. |
| | ILM Post-Capture PCR Primer | No specific test data related to reactivity available for this product or its ingredients. |
| | Second Strand Oligo Mix | No specific test data related to reactivity available for this product or its ingredients. |

Section 10. Stability and reactivity

| | | |
|---|--------------------------------|---|
| Chemical stability | : Fragmentation Mix | The product is stable. |
| | SureSelect Ligation Master Mix | The product is stable. |
| | Second Strand Enzyme Mix | The product is stable. |
| | dA Tailing Master Mix | The product is stable. |
| | PCR Master Mix | The product is stable. |
| | 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. |
| | ILM Reverse PCR Primer | The product is stable. |
| | ILM Post-Capture PCR Primer | The product is stable. |
| | Second Strand Oligo Mix | The product is stable. |
| Possibility of hazardous reactions | : 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. |
| | Second Strand Enzyme Mix | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | dA Tailing Master Mix | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | PCR Master Mix | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | 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. |
| | ILM Reverse PCR Primer | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | ILM Post-Capture PCR Primer | Under normal conditions of storage and use, hazardous reactions will not occur. |
| | Second Strand Oligo Mix | Under normal conditions of storage and use, hazardous reactions will not occur. |
| Conditions to avoid | : Fragmentation Mix | No specific data. |
| | SureSelect Ligation Master Mix | No specific data. |
| | Second Strand Enzyme Mix | No specific data. |
| | dA Tailing Master Mix | No specific data. |
| | PCR Master Mix | No specific data. |
| | 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. |
| | ILM Reverse PCR Primer | No specific data. |
| | ILM Post-Capture PCR Primer | No specific data. |
| | Second Strand Oligo Mix | No specific data. |

Section 10. Stability and reactivity

| | | | |
|---|---|--------------------------------|--|
| Incompatible materials | : | Fragmentation Mix | May react or be incompatible with oxidising materials. |
| | | SureSelect Ligation Master Mix | May react or be incompatible with oxidising materials. |
| | | Second Strand Enzyme Mix | May react or be incompatible with oxidising materials. |
| | | dA Tailing Master Mix | May react or be incompatible with oxidising materials. |
| | | PCR Master Mix | May react or be incompatible with oxidising materials. |
| | | 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. |
| | | ILM Reverse PCR Primer | May react or be incompatible with oxidising materials. |
| | | ILM Post-Capture PCR Primer | May react or be incompatible with oxidising materials. |
| | | Second Strand Oligo Mix | May react or be incompatible with oxidising materials. |
| Hazardous decomposition products | : | 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. |
| | | Second Strand Enzyme Mix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | dA Tailing Master Mix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | PCR Master Mix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | First Strand Master Mix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | Uracil DNA Glycosylase (UDG) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | SureSelect Oligo Adaptor Mix | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | SureSelect Primer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | 8bp Indexes A01–H02 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | ILM Reverse PCR Primer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | ILM Post-Capture PCR Primer | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| | | Second Strand 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 | - |
| Second Strand Enzyme Mix Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| dA Tailing Master Mix Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| PCR Master Mix Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| First Strand Master Mix Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |
| Uracil DNA Glycosylase (UDG) Glycerol | LD50 Oral | Rat | 12600 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation | |
|---|--|----------------------|--------|-----------------|-----------------|---|
| SureSelect Ligation Master Mix Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - | |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - | |
| | Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | | Eyes - Mild irritant | Rabbit | - | 500 mg | - |
| | | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Second Strand Enzyme Mix Glycerol | Skin - Mild irritant | Rabbit | - | 500 mg | - |
| Eyes - Mild irritant | | Rabbit | - | 24 hours 500 mg | - | |
| dA Tailing Master Mix Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - | |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - | |
| | Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | | Eyes - Mild irritant | Rabbit | - | 500 mg | - |
| | | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Mild irritant | Rabbit | - | 500 mg | - | |

Section 11. Toxicological information

| | | | | | |
|---|----------------------|--------|---|-----------------|---|
| PCR Master Mix Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| First Strand Master Mix Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| Uracil DNA Glycosylase (UDG) Glycerol | Eyes - Mild irritant | Rabbit | - | 24 hours 500 mg | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 mg | - |

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 | Fragmentation Mix | Not available. |
| | SureSelect Ligation Master Mix | Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes. |
| | Second Strand Enzyme Mix | Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes. |
| | dA Tailing Master Mix | Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes. |
| | PCR Master Mix | Not available. |
| | First Strand Master Mix | Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes. |
| | Uracil DNA Glycosylase (UDG) | Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes. |
| | SureSelect Oligo Adaptor Mix | Not available. |
| | SureSelect Primer | Not available. |
| | 8bp Indexes A01-H02 | Not available. |
| | ILM Reverse PCR Primer | Not available. |
| | ILM Post-Capture PCR Primer | Not available. |
| | Second Strand Oligo Mix | Not available. |

Potential acute health effects

Section 11. Toxicological information

| | | | |
|--------------------------------|---|--------------------------------|---|
| Eye contact | : | Fragmentation Mix | No known significant effects or critical hazards. |
| | | SureSelect Ligation Master Mix | Causes eye irritation. |
| | | Second Strand Enzyme Mix | Causes eye irritation. |
| | | dA Tailing Master Mix | Causes eye irritation. |
| | | PCR Master Mix | No known significant effects or critical hazards. |
| | | First Strand Master Mix | Causes eye irritation. |
| | | Uracil DNA Glycosylase (UDG) | Causes eye irritation. |
| | | 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. |
| | | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | | Second Strand Oligo Mix | No known significant effects or critical hazards. |
| | | Inhalation | : |
| SureSelect Ligation Master Mix | No known significant effects or critical hazards. | | |
| Second Strand Enzyme Mix | No known significant effects or critical hazards. | | |
| dA Tailing Master Mix | No known significant effects or critical hazards. | | |
| PCR Master Mix | No known significant effects or critical hazards. | | |
| 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. | | |
| ILM Reverse PCR Primer | No known significant effects or critical hazards. | | |
| ILM Post-Capture PCR Primer | No known significant effects or critical hazards. | | |
| Second Strand Oligo Mix | No known significant effects or critical hazards. | | |
| Skin contact | : | | |
| | | SureSelect Ligation Master Mix | No known significant effects or critical hazards. |
| | | Second Strand Enzyme Mix | No known significant effects or critical hazards. |
| | | dA Tailing Master Mix | No known significant effects or critical hazards. |
| | | PCR Master Mix | No known significant effects or critical hazards. |
| | | 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. |
| | | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | | Second Strand Oligo Mix | No known significant effects or critical hazards. |
| | | Ingestion | : |
| SureSelect Ligation Master Mix | No known significant effects or critical hazards. | | |
| Second Strand Enzyme Mix | No known significant effects or critical hazards. | | |
| dA Tailing Master Mix | No known significant effects or critical hazards. | | |
| PCR Master Mix | No known significant effects or critical hazards. | | |
| 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. | | |
| ILM Reverse PCR Primer | No known significant effects or critical hazards. | | |
| ILM Post-Capture PCR | No known significant effects or critical hazards. | | |

Section 11. Toxicological information

Primer
Second Strand Oligo Mix No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

| | |
|--------------------------------|--|
| Fragmentation Mix | No specific data. |
| SureSelect Ligation Master Mix | Adverse symptoms may include the following: irritation watering redness |
| Second Strand Enzyme Mix | Adverse symptoms may include the following: irritation watering redness |
| dA Tailing Master Mix | Adverse symptoms may include the following: irritation watering redness |
| PCR Master Mix | No specific data. |
| First Strand Master Mix | Adverse symptoms may include the following: irritation watering redness |
| Uracil DNA Glycosylase (UDG) | Adverse symptoms may include the following: irritation watering redness |
| SureSelect Oligo Adaptor Mix | No specific data. |
| SureSelect Primer | No specific data. |
| 8bp Indexes A01–H02 | No specific data. |
| ILM Reverse PCR Primer | No specific data. |
| ILM Post-Capture PCR Primer | No specific data. |
| Second Strand Oligo Mix | No specific data. |
| Fragmentation Mix | No specific data. |
| SureSelect Ligation Master Mix | No specific data. |
| Second Strand Enzyme Mix | No specific data. |
| dA Tailing Master Mix | No specific data. |
| PCR Master Mix | No specific data. |
| 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. |
| ILM Reverse PCR Primer | No specific data. |
| ILM Post-Capture PCR Primer | No specific data. |
| Second Strand Oligo Mix | No specific data. |
| Fragmentation Mix | No specific data. |
| SureSelect Ligation Master Mix | No specific data. |
| Second Strand Enzyme Mix | No specific data. |
| dA Tailing Master Mix | No specific data. |
| PCR Master Mix | No specific data. |
| 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. |

Inhalation

Skin contact

Section 11. Toxicological information

| | | | |
|------------------|-----------------------------|--------------------------------|-------------------|
| Ingestion | : | 8bp Indexes A01–H02 | No specific data. |
| | | ILM Reverse PCR Primer | No specific data. |
| | | ILM Post-Capture PCR Primer | No specific data. |
| | | Second Strand Oligo Mix | No specific data. |
| | | Fragmentation Mix | No specific data. |
| | | SureSelect Ligation Master Mix | No specific data. |
| | | Second Strand Enzyme Mix | No specific data. |
| | | dA Tailing Master Mix | No specific data. |
| | | PCR Master Mix | No specific data. |
| | | 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. |
| | | ILM Reverse PCR Primer | No specific data. |
| | ILM Post-Capture PCR Primer | No specific data. | |
| | Second Strand 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 | : | Fragmentation Mix | No known significant effects or critical hazards. | |
| | | SureSelect Ligation Master Mix | No known significant effects or critical hazards. | |
| | | Second Strand Enzyme Mix | No known significant effects or critical hazards. | |
| | | dA Tailing Master Mix | No known significant effects or critical hazards. | |
| | | PCR Master Mix | No known significant effects or critical hazards. | |
| | | 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. | |
| | | ILM Reverse PCR Primer | No known significant effects or critical hazards. | |
| | | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. | |
| | | Second Strand Oligo Mix | No known significant effects or critical hazards. | |
| | Carcinogenicity | : | Fragmentation Mix | No known significant effects or critical hazards. |
| | | | SureSelect Ligation Master Mix | No known significant effects or critical hazards. |
| | | Second Strand Enzyme Mix | No known significant effects or critical hazards. | |
| | | dA Tailing Master Mix | No known significant effects or critical hazards. | |
| | | PCR Master Mix | No known significant effects or critical hazards. | |
| | | 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. | |

Section 11. Toxicological information

| | | |
|------------------------------|--------------------------------|---|
| | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | Second Strand Oligo Mix | No known significant effects or critical hazards. |
| Mutagenicity | : Fragmentation Mix | No known significant effects or critical hazards. |
| | SureSelect Ligation Master Mix | No known significant effects or critical hazards. |
| | Second Strand Enzyme Mix | No known significant effects or critical hazards. |
| | dA Tailing Master Mix | No known significant effects or critical hazards. |
| | PCR Master Mix | No known significant effects or critical hazards. |
| | 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. |
| | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | Second Strand Oligo Mix | No known significant effects or critical hazards. |
| Reproductive toxicity | : Fragmentation Mix | No known significant effects or critical hazards. |
| | SureSelect Ligation Master Mix | No known significant effects or critical hazards. |
| | Second Strand Enzyme Mix | No known significant effects or critical hazards. |
| | dA Tailing Master Mix | No known significant effects or critical hazards. |
| | PCR Master Mix | No known significant effects or critical hazards. |
| | 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. |
| | ILM Reverse PCR Primer | No known significant effects or critical hazards. |
| | ILM Post-Capture PCR Primer | No known significant effects or critical hazards. |
| | Second Strand Oligo Mix | No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|---|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| SureSelect Ligation Master Mix | | | | | |
| Glycerol | 12600 | N/A | N/A | N/A | N/A |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated | 28000 | N/A | N/A | N/A | N/A |
| Second Strand Enzyme Mix | | | | | |
| Glycerol | 12600 | N/A | N/A | N/A | N/A |
| dA Tailing Master Mix | | | | | |
| Glycerol | 12600 | N/A | N/A | N/A | N/A |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated | 28000 | N/A | N/A | N/A | N/A |
| PCR Master Mix | | | | | |
| Glycerol | 12600 | N/A | N/A | N/A | N/A |
| First Strand Master Mix | | | | | |

Section 11. Toxicological information

| | | | | | |
|-------------------------------------|-------|-----|-----|-----|-----|
| Glycerol | 12600 | N/A | N/A | N/A | N/A |
| Uracil DNA Glycosylase (UDG) | | | | | |
| Glycerol | 12600 | N/A | N/A | N/A | N/A |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|--|---|-----------------------------------|----------|
| SureSelect Ligation Master Mix | | | |
| Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - <i>Oncorhynchus mykiss</i> | 96 hours |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | Acute EC50 >100 mg/l Fresh water | Daphnia - <i>Daphnia magna</i> | 48 hours |
| | Acute LC50 >1000000 μ g/l Fresh water | Fish - <i>Salmo salar</i> - Parr | 96 hours |
| Second Strand Enzyme Mix | | | |
| Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - <i>Oncorhynchus mykiss</i> | 96 hours |
| dA Tailing Master Mix | | | |
| Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - <i>Oncorhynchus mykiss</i> | 96 hours |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | Acute EC50 >100 mg/l Fresh water | Daphnia - <i>Daphnia magna</i> | 48 hours |
| | Acute LC50 >1000000 μ g/l Fresh water | Fish - <i>Salmo salar</i> - Parr | 96 hours |
| PCR Master Mix | | | |
| Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - <i>Oncorhynchus mykiss</i> | 96 hours |
| First Strand Master Mix | | | |
| Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - <i>Oncorhynchus mykiss</i> | 96 hours |
| Uracil DNA Glycosylase (UDG) | | | |
| Glycerol | Acute LC50 54000 mg/l Fresh water | Fish - <i>Oncorhynchus mykiss</i> | 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 | - | - |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | OECD 301D Ready Biodegradability - Closed Bottle Test | 74.85 % - Readily - 28 days | 4 mg/l | - |
| Second Strand Enzyme Mix | | | | |
| Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| dA Tailing Master Mix | | | | |
| Glycerol | 301D Ready | 93 % - 30 days | - | - |

Section 12. Ecological information

| | | | | |
|--|---|-----------------------------|--------|---|
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | Biodegradability - Closed Bottle Test OECD 301D Ready Biodegradability - Closed Bottle Test | 74.85 % - Readily - 28 days | 4 mg/l | - |
| PCR Master Mix Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| First Strand Master Mix Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |
| Uracil DNA Glycosylase (UDG) Glycerol | 301D Ready Biodegradability - Closed Bottle Test | 93 % - 30 days | - | - |

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| SureSelect Ligation Master Mix Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | - | - | Readily |
| dA Tailing Master Mix Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | - | - | Readily |

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|--|--------------------|-----|-----------|
| SureSelect Ligation Master Mix Glycerol | -1.76 | - | Low |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | - | 3.2 | Low |
| Second Strand Enzyme Mix Glycerol | -1.76 | - | Low |
| dA Tailing Master Mix Glycerol | -1.76 | - | Low |
| Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated | - | 3.2 | Low |
| PCR Master Mix Glycerol | -1.76 | - | Low |

Section 12. Ecological information

| | | | |
|---|-------|---|-----|
| First Strand Master Mix Glycerol | -1.76 | - | Low |
| Uracil DNA Glycosylase (UDG) 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

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 IMO instruments : Not available.

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines 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

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

Section 15. Regulatory information

Not listed.

Inventory list

Australia : Not determined.
New Zealand : Not determined.
United States : Not determined.

Section 16. Any other relevant information


History

Date of issue/Date of revision : 29/02/2024
Date of previous issue : 22/02/2021
Version : 5

Key to abbreviations

: ADG = Australian Dangerous Goods
 : ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 : 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)
 : N/A = Not available
 : SUSMP = Standard Uniform Schedule of Medicine and Poisons
 : UN = United Nations

Procedure used to derive the classification

| Classification | Justification |
|--|--------------------|
|  SureSelect Ligation Master Mix SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B | Calculation method |
| Second Strand Enzyme Mix SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B | Calculation method |
| dA Tailing Master Mix SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B | Calculation method |
| First Strand Master Mix SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B | Calculation method |
| Uracil DNA Glycosylase (UDG) SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B | Calculation method |

 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