

SAFETY DATA SHEET

SureSelect Library Prep Kit ILM-16 Reactions, Part Number 5500-0132

Section 1. Identification

1.1 Product identifier

Product name	: SureSelect Library Prep Kit ILM-16 Reactions, Part Number 5500-0132																																																									
Part No. (Chemical Kit)	: 5500-0132																																																									
Part No.	:	<table border="0" style="width: 100%;"> <tr><td>10X End Repair Buffer</td><td>5190-4472</td></tr> <tr><td>5X T4 DNA Ligase Buffer</td><td>5190-4473</td></tr> <tr><td>Klenow DNA Polymerase</td><td>5190-4928</td></tr> <tr><td>T4 DNA Ligase</td><td>5190-4475</td></tr> <tr><td>T4 DNA Polymerase</td><td>5190-4927</td></tr> <tr><td>T4 Polynucleotide Kinase</td><td>5190-4929</td></tr> <tr><td>dNTP Mix</td><td>5190-4931</td></tr> <tr><td>10X Klenow Polymerase Buffer</td><td>5190-4474</td></tr> <tr><td>Exo(-) Klenow</td><td>5190-4926</td></tr> <tr><td>dATP</td><td>5190-4930</td></tr> <tr><td>SureSelect Adaptor Oligo Mix</td><td>5190-4932</td></tr> <tr><td>SureSelect Primer</td><td>5190-4933</td></tr> <tr><td>SureSelect 8bp Index A01</td><td>5190-7912</td></tr> <tr><td>SureSelect 8bp Index B01</td><td>5190-7913</td></tr> <tr><td>SureSelect 8bp Index C01</td><td>5190-7914</td></tr> <tr><td>SureSelect 8bp Index D01</td><td>5190-7915</td></tr> <tr><td>SureSelect 8bp Index E01</td><td>5190-7916</td></tr> <tr><td>SureSelect 8bp Index F01</td><td>5190-7917</td></tr> <tr><td>SureSelect 8bp Index G01</td><td>5190-7918</td></tr> <tr><td>SureSelect 8bp Index H01</td><td>5190-7919</td></tr> <tr><td>SureSelect 8bp Index A02</td><td>5190-7920</td></tr> <tr><td>SureSelect 8bp Index B02</td><td>5190-7921</td></tr> <tr><td>SureSelect 8bp Index C02</td><td>5190-7922</td></tr> <tr><td>SureSelect 8bp Index D02</td><td>5190-7923</td></tr> <tr><td>SureSelect 8bp Index E02</td><td>5190-7924</td></tr> <tr><td>SureSelect 8bp Index F02</td><td>5190-7925</td></tr> <tr><td>SureSelect 8bp Index G02</td><td>5190-7926</td></tr> <tr><td>SureSelect 8bp Index H02</td><td>5190-7927</td></tr> </table>	10X End Repair Buffer	5190-4472	5X T4 DNA Ligase Buffer	5190-4473	Klenow DNA Polymerase	5190-4928	T4 DNA Ligase	5190-4475	T4 DNA Polymerase	5190-4927	T4 Polynucleotide Kinase	5190-4929	dNTP Mix	5190-4931	10X Klenow Polymerase Buffer	5190-4474	Exo(-) Klenow	5190-4926	dATP	5190-4930	SureSelect Adaptor Oligo Mix	5190-4932	SureSelect Primer	5190-4933	SureSelect 8bp Index A01	5190-7912	SureSelect 8bp Index B01	5190-7913	SureSelect 8bp Index C01	5190-7914	SureSelect 8bp Index D01	5190-7915	SureSelect 8bp Index E01	5190-7916	SureSelect 8bp Index F01	5190-7917	SureSelect 8bp Index G01	5190-7918	SureSelect 8bp Index H01	5190-7919	SureSelect 8bp Index A02	5190-7920	SureSelect 8bp Index B02	5190-7921	SureSelect 8bp Index C02	5190-7922	SureSelect 8bp Index D02	5190-7923	SureSelect 8bp Index E02	5190-7924	SureSelect 8bp Index F02	5190-7925	SureSelect 8bp Index G02	5190-7926	SureSelect 8bp Index H02	5190-7927
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Validation date : 11/17/2017

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

Material uses	:	Analytical reagent.																																				
		<table border="0" style="width: 100%;"> <tr><td>10X End Repair Buffer</td><td>0.18 ml (16 reactions)</td></tr> <tr><td>5X T4 DNA Ligase Buffer</td><td>0.35 ml (16 reactions)</td></tr> <tr><td>Klenow DNA Polymerase</td><td>0.036 ml (16 reactions)</td></tr> <tr><td>T4 DNA Ligase</td><td>0.028 ml (16 reactions)</td></tr> <tr><td>T4 DNA Polymerase</td><td>0.021 ml (16 reactions)</td></tr> <tr><td>T4 Polynucleotide Kinase</td><td>0.040 ml (16 reactions)</td></tr> <tr><td>dNTP Mix</td><td>0.032 ml (16 reactions)</td></tr> <tr><td>10X Klenow Polymerase Buffer</td><td>0.088 ml (16 reactions)</td></tr> <tr><td>Exo(-) Klenow</td><td>0.053 ml (16 reactions)</td></tr> <tr><td>dATP</td><td>0.02 ml (16 reactions)</td></tr> <tr><td>SureSelect Adaptor Oligo Mix</td><td>0.18 ml (16 reactions)</td></tr> <tr><td>SureSelect Primer</td><td>0.066 ml (16 reactions)</td></tr> <tr><td>SureSelect 8bp Index A01</td><td>0.0125 ml (2 reactions)</td></tr> <tr><td>SureSelect 8bp Index B01</td><td>0.0125 ml (2 reactions)</td></tr> <tr><td>SureSelect 8bp Index C01</td><td>0.0125 ml (2 reactions)</td></tr> <tr><td>SureSelect 8bp Index D01</td><td>0.0125 ml (2 reactions)</td></tr> <tr><td>SureSelect 8bp Index E01</td><td>0.0125 ml (2 reactions)</td></tr> <tr><td>SureSelect 8bp Index F01</td><td>0.0125 ml (2 reactions)</td></tr> </table>	10X End Repair Buffer	0.18 ml (16 reactions)	5X T4 DNA Ligase Buffer	0.35 ml (16 reactions)	Klenow DNA Polymerase	0.036 ml (16 reactions)	T4 DNA Ligase	0.028 ml (16 reactions)	T4 DNA Polymerase	0.021 ml (16 reactions)	T4 Polynucleotide Kinase	0.040 ml (16 reactions)	dNTP Mix	0.032 ml (16 reactions)	10X Klenow Polymerase Buffer	0.088 ml (16 reactions)	Exo(-) Klenow	0.053 ml (16 reactions)	dATP	0.02 ml (16 reactions)	SureSelect Adaptor Oligo Mix	0.18 ml (16 reactions)	SureSelect Primer	0.066 ml (16 reactions)	SureSelect 8bp Index A01	0.0125 ml (2 reactions)	SureSelect 8bp Index B01	0.0125 ml (2 reactions)	SureSelect 8bp Index C01	0.0125 ml (2 reactions)	SureSelect 8bp Index D01	0.0125 ml (2 reactions)	SureSelect 8bp Index E01	0.0125 ml (2 reactions)	SureSelect 8bp Index F01	0.0125 ml (2 reactions)
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Section 1. Identification

SureSelect 8bp Index G01	0.0125 ml (2 reactions)
SureSelect 8bp Index H01	0.0125 ml (2 reactions)
SureSelect 8bp Index A02	0.0125 ml (2 reactions)
SureSelect 8bp Index B02	0.0125 ml (2 reactions)
SureSelect 8bp Index C02	0.0125 ml (2 reactions)
SureSelect 8bp Index D02	0.0125 ml (2 reactions)
SureSelect 8bp Index E02	0.0125 ml (2 reactions)
SureSelect 8bp Index F02	0.0125 ml (2 reactions)
SureSelect 8bp Index G02	0.0125 ml (2 reactions)
SureSelect 8bp Index H02	0.0125 ml (2 reactions)

[1.3 Details of the supplier of the safety data sheet](#)

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

[1.4 Emergency telephone number](#)

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

Section 2. Hazards identification

[2.1 Classification of the substance or mixture](#)

OSHA/HCS status	: <input checked="" type="checkbox"/> 10X End Repair Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	5X T4 DNA Ligase Buffer	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Klenow DNA Polymerase	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	T4 DNA Ligase	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	T4 DNA Polymerase	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	T4 Polynucleotide Kinase	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	dNTP Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	10X Klenow Polymerase Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Exo(-) Klenow	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	dATP	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This

Section 2. Hazards identification

	SDS should be retained and available for employees and other users of this product.
SureSelect Adaptor Oligo Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index A01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index B01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index C01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index D01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index E01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index F01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index G01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index H01	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to

Section 2. Hazards identification

	the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index A02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index B02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index C02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index D02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index E02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index F02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index G02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect 8bp Index H02	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture

Section 2. Hazards identification

5X T4 DNA Ligase Buffer

H319 EYE IRRITATION - Category 2A
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Klenow DNA Polymerase

H320 EYE IRRITATION - Category 2B

T4 DNA Ligase

H320 EYE IRRITATION - Category 2B

T4 DNA Polymerase

H320 EYE IRRITATION - Category 2B

T4 Polynucleotide Kinase

H320 EYE IRRITATION - Category 2B

Exo(-) Klenow

H320 EYE IRRITATION - Category 2B

Ingredients of unknown toxicity

10X End Repair Buffer
 Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 10 - 30%
 Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%

5X T4 DNA Ligase Buffer
 Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 10 - 30%
 Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%

Klenow DNA Polymerase
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%

T4 DNA Ligase
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%

T4 DNA Polymerase
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%

T4 Polynucleotide Kinase
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%

dNTP Mix
 Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%

10X Klenow Polymerase Buffer
 Percentage of the mixture consisting of ingredient (s) of unknown dermal toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 1 - 10%
 Percentage of the mixture consisting of ingredient (s) of unknown oral toxicity: 1 - 10%

Exo(-) Klenow
 Percentage of the mixture consisting of ingredient (s) of unknown inhalation toxicity: 30 - 60%

[2.2 GHS label elements](#)

Section 2. Hazards identification

T4 DNA Polymerase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
T4 Polynucleotide Kinase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
dNTP Mix	Not applicable.
10X Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical attention.
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect 8bp Index A01	Not applicable.
SureSelect 8bp Index B01	Not applicable.
SureSelect 8bp Index C01	Not applicable.
SureSelect 8bp Index D01	Not applicable.
SureSelect 8bp Index E01	Not applicable.
SureSelect 8bp Index F01	Not applicable.
SureSelect 8bp Index G01	Not applicable.
SureSelect 8bp Index H01	Not applicable.
SureSelect 8bp Index A02	Not applicable.
SureSelect 8bp Index B02	Not applicable.
SureSelect 8bp Index C02	Not applicable.
SureSelect 8bp Index D02	Not applicable.
SureSelect 8bp Index E02	Not applicable.
SureSelect 8bp Index F02	Not applicable.
SureSelect 8bp Index G02	Not applicable.
SureSelect 8bp Index H02	Not applicable.
10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	P405 - Store locked up.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10X Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect 8bp Index A01	Not applicable.
SureSelect 8bp Index B01	Not applicable.
SureSelect 8bp Index C01	Not applicable.
SureSelect 8bp Index D01	Not applicable.
SureSelect 8bp Index E01	Not applicable.
SureSelect 8bp Index F01	Not applicable.
SureSelect 8bp Index G01	Not applicable.
SureSelect 8bp Index H01	Not applicable.

Storage

Section 2. Hazards identification

Disposal

SureSelect 8bp Index A02	Not applicable.
SureSelect 8bp Index B02	Not applicable.
SureSelect 8bp Index C02	Not applicable.
SureSelect 8bp Index D02	Not applicable.
SureSelect 8bp Index E02	Not applicable.
SureSelect 8bp Index F02	Not applicable.
SureSelect 8bp Index G02	Not applicable.
SureSelect 8bp Index H02	Not applicable.
10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10X Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect 8bp Index A01	Not applicable.
SureSelect 8bp Index B01	Not applicable.
SureSelect 8bp Index C01	Not applicable.
SureSelect 8bp Index D01	Not applicable.
SureSelect 8bp Index E01	Not applicable.
SureSelect 8bp Index F01	Not applicable.
SureSelect 8bp Index G01	Not applicable.
SureSelect 8bp Index H01	Not applicable.
SureSelect 8bp Index A02	Not applicable.
SureSelect 8bp Index B02	Not applicable.
SureSelect 8bp Index C02	Not applicable.
SureSelect 8bp Index D02	Not applicable.
SureSelect 8bp Index E02	Not applicable.
SureSelect 8bp Index F02	Not applicable.
SureSelect 8bp Index G02	Not applicable.
SureSelect 8bp Index H02	Not applicable.

Supplemental label elements

10X End Repair Buffer	None known.
5X T4 DNA Ligase Buffer	None known.
Klenow DNA Polymerase	None known.
T4 DNA Ligase	None known.
T4 DNA Polymerase	None known.
T4 Polynucleotide Kinase	None known.
dNTP Mix	None known.
10X Klenow Polymerase Buffer	None known.
Exo(-) Klenow	None known.
dATP	None known.
SureSelect Adaptor Oligo Mix	None known.
SureSelect Primer	None known.
SureSelect 8bp Index A01	None known.
SureSelect 8bp Index B01	None known.
SureSelect 8bp Index C01	None known.
SureSelect 8bp Index D01	None known.
SureSelect 8bp Index E01	None known.
SureSelect 8bp Index F01	None known.
SureSelect 8bp Index G01	None known.
SureSelect 8bp Index H01	None known.
SureSelect 8bp Index A02	None known.

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SureSelect 8bp Index B02	None known.
SureSelect 8bp Index C02	None known.
SureSelect 8bp Index D02	None known.
SureSelect 8bp Index E02	None known.
SureSelect 8bp Index F02	None known.
SureSelect 8bp Index G02	None known.
SureSelect 8bp Index H02	None known.

2.3 Other hazards

Hazards not otherwise classified

10X End Repair Buffer	None known.
5X T4 DNA Ligase Buffer	None known.
Klenow DNA Polymerase	None known.
T4 DNA Ligase	None known.
T4 DNA Polymerase	None known.
T4 Polynucleotide Kinase	None known.
dNTP Mix	None known.
10X Klenow Polymerase Buffer	None known.
Exo(-) Klenow	None known.
dATP	None known.
SureSelect Adaptor Oligo Mix	None known.
SureSelect Primer	None known.
SureSelect 8bp Index A01	None known.
SureSelect 8bp Index B01	None known.
SureSelect 8bp Index C01	None known.
SureSelect 8bp Index D01	None known.
SureSelect 8bp Index E01	None known.
SureSelect 8bp Index F01	None known.
SureSelect 8bp Index G01	None known.
SureSelect 8bp Index H01	None known.
SureSelect 8bp Index A02	None known.
SureSelect 8bp Index B02	None known.
SureSelect 8bp Index C02	None known.
SureSelect 8bp Index D02	None known.
SureSelect 8bp Index E02	None known.
SureSelect 8bp Index F02	None known.
SureSelect 8bp Index G02	None known.
SureSelect 8bp Index H02	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	10X End Repair Buffer	Mixture
		5X T4 DNA Ligase Buffer	Mixture
		Klenow DNA Polymerase	Mixture
		T4 DNA Ligase	Mixture
		T4 DNA Polymerase	Mixture
		T4 Polynucleotide Kinase	Mixture
		dNTP Mix	Mixture
		10X Klenow Polymerase Buffer	Mixture
		Exo(-) Klenow	Mixture
		dATP	Mixture
		SureSelect Adaptor Oligo Mix	Mixture
		SureSelect Primer	Mixture
		SureSelect 8bp Index A01	Mixture
		SureSelect 8bp Index B01	Mixture
		SureSelect 8bp Index C01	Mixture
		SureSelect 8bp Index D01	Mixture
		SureSelect 8bp Index E01	Mixture
		SureSelect 8bp Index F01	Mixture
		SureSelect 8bp Index G01	Mixture
		SureSelect 8bp Index H01	Mixture

Section 3. Composition/information on ingredients

SureSelect 8bp Index A02	Mixture
SureSelect 8bp Index B02	Mixture
SureSelect 8bp Index C02	Mixture
SureSelect 8bp Index D02	Mixture
SureSelect 8bp Index E02	Mixture
SureSelect 8bp Index F02	Mixture
SureSelect 8bp Index G02	Mixture
SureSelect 8bp Index H02	Mixture

Ingredient name	%	CAS number
10X End Repair Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride (R*,R*)-1,4-Dimercaptobutane-2,3-diol	≤8.3 ≤1.6	1185-53-1 3483-12-3
5X T4 DNA Ligase Buffer Polyethylene glycol 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≥25 - ≤50 ≤5	25322-68-3 1185-53-1
Klenow DNA Polymerase Glycerol	≥50 - ≤75	56-81-5
T4 DNA Ligase Glycerol	≥50 - ≤75	56-81-5
T4 DNA Polymerase Glycerol	≥50 - ≤75	56-81-5
T4 Polynucleotide Kinase Glycerol	≥50 - ≤75	56-81-5
10X Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	<10	1185-53-1
Exo(-) Klenow Glycerol	≥50 - ≤75	56-81-5

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

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

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

Section 4. First aid measures

4.1 Description of necessary first aid measures

Eye contact	: 10X End Repair Buffer	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.
	5X T4 DNA Ligase Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Klenow DNA Polymerase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses.

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T4 DNA Ligase	Continue to rinse for at least 10 minutes. If irritation persists, get medical attention. 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.
T4 DNA Polymerase	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.
T4 Polynucleotide Kinase	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.
dNTP 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.
10X Klenow Polymerase Buffer	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.
Exo(-) Klenow	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.
dATP	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 Adaptor 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.
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.
SureSelect 8bp Index A01	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 8bp Index B01	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 8bp Index C01	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 8bp Index D01	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 8bp Index E01	Immediately flush eyes with plenty of water,

Section 4. First aid measures

occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

SureSelect 8bp Index F01

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 8bp Index G01

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 8bp Index H01

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 8bp Index A02

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 8bp Index B02

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 8bp Index C02

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 8bp Index D02

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 8bp Index E02

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 8bp Index F02

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 8bp Index G02

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 8bp Index 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.

Inhalation

:  10X End Repair Buffer

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5X T4 DNA Ligase Buffer

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if

Section 4. First aid measures

	<p>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 necessary, call a poison center or physician. 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.</p>
Klenow DNA Polymerase	<p>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.</p>
T4 DNA Ligase	<p>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.</p>
T4 DNA Polymerase	<p>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.</p>
T4 Polynucleotide Kinase	<p>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</p>

Section 4. First aid measures

dNTP Mix	<p>an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</p>
10X Klenow Polymerase Buffer	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</p>
Exo(-) Klenow	<p>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.</p>
dATP	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect Adaptor Oligo Mix	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect Primer	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index A01	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index B01	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index C01	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index D01	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index E01	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index F01	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index G01	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index H01	<p>Remove victim to fresh air and keep at rest in a</p>

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

SureSelect 8bp Index A02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 8bp Index B02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 8bp Index C02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 8bp Index D02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 8bp Index E02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 8bp Index F02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 8bp Index G02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SureSelect 8bp Index H02

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact

: 10X End Repair Buffer

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

5X T4 DNA Ligase Buffer

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.

Klenow DNA Polymerase

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.

T4 DNA Ligase

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.

T4 DNA Polymerase

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.

T4 Polynucleotide Kinase

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.

dNTP Mix

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

10X Klenow Polymerase Buffer

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get

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Exo(-) Klenow	medical attention if symptoms occur. 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.
dATP	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Adaptor Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index A01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index B01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index C01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index D01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index E01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index F01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index G01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index H01	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index A02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index B02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index C02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index D02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index E02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index F02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 8bp Index G02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get

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	SureSelect 8bp Index H02	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: 10X End Repair Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	5X T4 DNA Ligase Buffer	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Klenow DNA Polymerase	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	T4 DNA Ligase	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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T4 DNA Polymerase

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

T4 Polynucleotide Kinase

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

dNTP Mix

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

10X Klenow Polymerase Buffer

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Exo(-) Klenow

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

Section 4. First aid measures

dATP	<p>medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect Adaptor Oligo Mix	<p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect Primer	<p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index A01	<p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index B01	<p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index C01	<p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index D01	<p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect 8bp Index E01	<p>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>

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SureSelect 8bp Index F01	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index G01	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index H01	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index A02	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index B02	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index C02	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index D02	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index E02	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index F02	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and

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SureSelect 8bp Index G02

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.

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

SureSelect 8bp Index H02

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

10X End Repair Buffer	No known significant effects or critical hazards.
5X T4 DNA Ligase Buffer	Causes serious eye irritation.
Klenow DNA Polymerase	Causes eye irritation.
T4 DNA Ligase	Causes eye irritation.
T4 DNA Polymerase	Causes eye irritation.
T4 Polynucleotide Kinase	Causes eye irritation.
dNTP Mix	No known significant effects or critical hazards.
10X Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	Causes eye irritation.
dATP	No known significant effects or critical hazards.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect 8bp Index A01	No known significant effects or critical hazards.
SureSelect 8bp Index B01	No known significant effects or critical hazards.
SureSelect 8bp Index C01	No known significant effects or critical hazards.
SureSelect 8bp Index D01	No known significant effects or critical hazards.
SureSelect 8bp Index E01	No known significant effects or critical hazards.
SureSelect 8bp Index F01	No known significant effects or critical hazards.
SureSelect 8bp Index G01	No known significant effects or critical hazards.
SureSelect 8bp Index H01	No known significant effects or critical hazards.
SureSelect 8bp Index A02	No known significant effects or critical hazards.
SureSelect 8bp Index B02	No known significant effects or critical hazards.
SureSelect 8bp Index C02	No known significant effects or critical hazards.
SureSelect 8bp Index D02	No known significant effects or critical hazards.
SureSelect 8bp Index E02	No known significant effects or critical hazards.
SureSelect 8bp Index F02	No known significant effects or critical hazards.
SureSelect 8bp Index G02	No known significant effects or critical hazards.
SureSelect 8bp Index H02	No known significant effects or critical hazards.

Inhalation

10X End Repair Buffer	No known significant effects or critical hazards.
5X T4 DNA Ligase Buffer	May cause respiratory irritation.
Klenow DNA Polymerase	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
T4 DNA Polymerase	No known significant effects or critical hazards.
T4 Polynucleotide Kinase	No known significant effects or critical hazards.
dNTP Mix	No known significant effects or critical hazards.
10X Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	No known significant effects or critical hazards.

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	dATP	No known significant effects or critical hazards.
	SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect 8bp Index A01	No known significant effects or critical hazards.
	SureSelect 8bp Index B01	No known significant effects or critical hazards.
	SureSelect 8bp Index C01	No known significant effects or critical hazards.
	SureSelect 8bp Index D01	No known significant effects or critical hazards.
	SureSelect 8bp Index E01	No known significant effects or critical hazards.
	SureSelect 8bp Index F01	No known significant effects or critical hazards.
	SureSelect 8bp Index G01	No known significant effects or critical hazards.
	SureSelect 8bp Index H01	No known significant effects or critical hazards.
	SureSelect 8bp Index A02	No known significant effects or critical hazards.
	SureSelect 8bp Index B02	No known significant effects or critical hazards.
	SureSelect 8bp Index C02	No known significant effects or critical hazards.
	SureSelect 8bp Index D02	No known significant effects or critical hazards.
	SureSelect 8bp Index E02	No known significant effects or critical hazards.
	SureSelect 8bp Index F02	No known significant effects or critical hazards.
	SureSelect 8bp Index G02	No known significant effects or critical hazards.
	SureSelect 8bp Index H02	No known significant effects or critical hazards.
Skin contact	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10X Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	dATP	No known significant effects or critical hazards.
	SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect 8bp Index A01	No known significant effects or critical hazards.
	SureSelect 8bp Index B01	No known significant effects or critical hazards.
	SureSelect 8bp Index C01	No known significant effects or critical hazards.
	SureSelect 8bp Index D01	No known significant effects or critical hazards.
	SureSelect 8bp Index E01	No known significant effects or critical hazards.
	SureSelect 8bp Index F01	No known significant effects or critical hazards.
	SureSelect 8bp Index G01	No known significant effects or critical hazards.
	SureSelect 8bp Index H01	No known significant effects or critical hazards.
	SureSelect 8bp Index A02	No known significant effects or critical hazards.
	SureSelect 8bp Index B02	No known significant effects or critical hazards.
	SureSelect 8bp Index C02	No known significant effects or critical hazards.
	SureSelect 8bp Index D02	No known significant effects or critical hazards.
	SureSelect 8bp Index E02	No known significant effects or critical hazards.
	SureSelect 8bp Index F02	No known significant effects or critical hazards.
	SureSelect 8bp Index G02	No known significant effects or critical hazards.
	SureSelect 8bp Index H02	No known significant effects or critical hazards.
Ingestion	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10X Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	dATP	No known significant effects or critical hazards.
	SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.

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SureSelect 8bp Index A01	No known significant effects or critical hazards.
SureSelect 8bp Index B01	No known significant effects or critical hazards.
SureSelect 8bp Index C01	No known significant effects or critical hazards.
SureSelect 8bp Index D01	No known significant effects or critical hazards.
SureSelect 8bp Index E01	No known significant effects or critical hazards.
SureSelect 8bp Index F01	No known significant effects or critical hazards.
SureSelect 8bp Index G01	No known significant effects or critical hazards.
SureSelect 8bp Index H01	No known significant effects or critical hazards.
SureSelect 8bp Index A02	No known significant effects or critical hazards.
SureSelect 8bp Index B02	No known significant effects or critical hazards.
SureSelect 8bp Index C02	No known significant effects or critical hazards.
SureSelect 8bp Index D02	No known significant effects or critical hazards.
SureSelect 8bp Index E02	No known significant effects or critical hazards.
SureSelect 8bp Index F02	No known significant effects or critical hazards.
SureSelect 8bp Index G02	No known significant effects or critical hazards.
SureSelect 8bp Index H02	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact

: 10X End Repair Buffer	No specific data.
5X T4 DNA Ligase Buffer	Adverse symptoms may include the following: pain or irritation watering redness
Klenow DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
T4 DNA Ligase	Adverse symptoms may include the following: irritation watering redness
T4 DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
T4 Polynucleotide Kinase	Adverse symptoms may include the following: irritation watering redness
dNTP Mix	No specific data.
10X Klenow Polymerase Buffer	No specific data.
Exo(-) Klenow	Adverse symptoms may include the following: irritation watering redness
dATP	No specific data.
SureSelect Adaptor Oligo Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect 8bp Index A01	No specific data.
SureSelect 8bp Index B01	No specific data.
SureSelect 8bp Index C01	No specific data.
SureSelect 8bp Index D01	No specific data.
SureSelect 8bp Index E01	No specific data.
SureSelect 8bp Index F01	No specific data.
SureSelect 8bp Index G01	No specific data.
SureSelect 8bp Index H01	No specific data.
SureSelect 8bp Index A02	No specific data.
SureSelect 8bp Index B02	No specific data.
SureSelect 8bp Index C02	No specific data.
SureSelect 8bp Index D02	No specific data.

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	SureSelect 8bp Index E02	No specific data.
	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.
Inhalation	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	Adverse symptoms may include the following: respiratory tract irritation coughing
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10X Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect 8bp Index A01	No specific data.
	SureSelect 8bp Index B01	No specific data.
	SureSelect 8bp Index C01	No specific data.
	SureSelect 8bp Index D01	No specific data.
	SureSelect 8bp Index E01	No specific data.
	SureSelect 8bp Index F01	No specific data.
	SureSelect 8bp Index G01	No specific data.
	SureSelect 8bp Index H01	No specific data.
	SureSelect 8bp Index A02	No specific data.
	SureSelect 8bp Index B02	No specific data.
	SureSelect 8bp Index C02	No specific data.
	SureSelect 8bp Index D02	No specific data.
	SureSelect 8bp Index E02	No specific data.
	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.
Skin contact	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10X Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect 8bp Index A01	No specific data.
	SureSelect 8bp Index B01	No specific data.
	SureSelect 8bp Index C01	No specific data.
	SureSelect 8bp Index D01	No specific data.
	SureSelect 8bp Index E01	No specific data.
	SureSelect 8bp Index F01	No specific data.
	SureSelect 8bp Index G01	No specific data.
	SureSelect 8bp Index H01	No specific data.
	SureSelect 8bp Index A02	No specific data.
	SureSelect 8bp Index B02	No specific data.
	SureSelect 8bp Index C02	No specific data.
	SureSelect 8bp Index D02	No specific data.
	SureSelect 8bp Index E02	No specific data.

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	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.
Ingestion	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10X Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect 8bp Index A01	No specific data.
	SureSelect 8bp Index B01	No specific data.
	SureSelect 8bp Index C01	No specific data.
	SureSelect 8bp Index D01	No specific data.
	SureSelect 8bp Index E01	No specific data.
	SureSelect 8bp Index F01	No specific data.
	SureSelect 8bp Index G01	No specific data.
	SureSelect 8bp Index H01	No specific data.
	SureSelect 8bp Index A02	No specific data.
	SureSelect 8bp Index B02	No specific data.
	SureSelect 8bp Index C02	No specific data.
	SureSelect 8bp Index D02	No specific data.
	SureSelect 8bp Index E02	No specific data.
	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.

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

Notes to physician	: 10X End Repair Buffer	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.
	5X T4 DNA Ligase Buffer	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.
	Klenow DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	T4 DNA Ligase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	T4 DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	T4 Polynucleotide Kinase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	dNTP 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.
	10X Klenow Polymerase Buffer	In case of inhalation of decomposition products in a

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	fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Exo(-) Klenow	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
dATP	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Adaptor Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index A01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index B01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index C01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index D01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index E01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index F01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index G01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index H01	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index A02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index B02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index C02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index D02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index E02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index F02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect 8bp Index G02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been

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	SureSelect 8bp Index H02	ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: 10X End Repair Buffer	No specific treatment.
	5X T4 DNA Ligase Buffer	No specific treatment.
	Klenow DNA Polymerase	No specific treatment.
	T4 DNA Ligase	No specific treatment.
	T4 DNA Polymerase	No specific treatment.
	T4 Polynucleotide Kinase	No specific treatment.
	dNTP Mix	No specific treatment.
	10X Klenow Polymerase Buffer	No specific treatment.
	Exo(-) Klenow	No specific treatment.
	dATP	No specific treatment.
	SureSelect Adaptor Oligo Mix	No specific treatment.
	SureSelect Primer	No specific treatment.
	SureSelect 8bp Index A01	No specific treatment.
	SureSelect 8bp Index B01	No specific treatment.
	SureSelect 8bp Index C01	No specific treatment.
	SureSelect 8bp Index D01	No specific treatment.
	SureSelect 8bp Index E01	No specific treatment.
	SureSelect 8bp Index F01	No specific treatment.
	SureSelect 8bp Index G01	No specific treatment.
	SureSelect 8bp Index H01	No specific treatment.
	SureSelect 8bp Index A02	No specific treatment.
	SureSelect 8bp Index B02	No specific treatment.
	SureSelect 8bp Index C02	No specific treatment.
	SureSelect 8bp Index D02	No specific treatment.
	SureSelect 8bp Index E02	No specific treatment.
	SureSelect 8bp Index F02	No specific treatment.
	SureSelect 8bp Index G02	No specific treatment.
	SureSelect 8bp Index H02	No specific treatment.
Protection of first-aiders	: 10X End Repair Buffer	No action shall be taken involving any personal risk or without suitable training.
	5X T4 DNA Ligase Buffer	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Klenow DNA Polymerase	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.
	T4 DNA Ligase	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.
	T4 DNA Polymerase	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.
	T4 Polynucleotide Kinase	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.
	dNTP Mix	No action shall be taken involving any personal risk or without suitable training.
	10X Klenow Polymerase Buffer	No action shall be taken involving any personal risk

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Exo(-) Klenow	or without suitable training. 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.
dATP	No action shall be taken involving any personal risk or without suitable training.
SureSelect Adaptor Oligo Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index A01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index B01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index C01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index D01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index E01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index F01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index G01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index H01	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index A02	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index B02	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index C02	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index D02	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index E02	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index F02	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index G02	No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index H02	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

: 10X End Repair Buffer	Use an extinguishing agent suitable for the surrounding fire.
5X T4 DNA Ligase Buffer	Use an extinguishing agent suitable for the surrounding fire.
Klenow DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
T4 DNA Ligase	Use an extinguishing agent suitable for the surrounding fire.
T4 DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.

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T4 Polynucleotide Kinase	Use an extinguishing agent suitable for the surrounding fire.
dNTP Mix	Use an extinguishing agent suitable for the surrounding fire.
10X Klenow Polymerase Buffer	Use an extinguishing agent suitable for the surrounding fire.
Exo(-) Klenow	Use an extinguishing agent suitable for the surrounding fire.
dATP	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Adaptor Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Primer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index A01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index B01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index C01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index D01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index E01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index F01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index G01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index H01	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index A02	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index B02	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index C02	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index D02	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index E02	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index F02	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index G02	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 8bp Index H02	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	
10X End Repair Buffer	None known.
5X T4 DNA Ligase Buffer	None known.
Klenow DNA Polymerase	None known.
T4 DNA Ligase	None known.
T4 DNA Polymerase	None known.
T4 Polynucleotide Kinase	None known.
dNTP Mix	None known.
10X Klenow Polymerase Buffer	None known.
Exo(-) Klenow	None known.
dATP	None known.
SureSelect Adaptor Oligo Mix	None known.
SureSelect Primer	None known.
SureSelect 8bp Index A01	None known.

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SureSelect 8bp Index B01	None known.
SureSelect 8bp Index C01	None known.
SureSelect 8bp Index D01	None known.
SureSelect 8bp Index E01	None known.
SureSelect 8bp Index F01	None known.
SureSelect 8bp Index G01	None known.
SureSelect 8bp Index H01	None known.
SureSelect 8bp Index A02	None known.
SureSelect 8bp Index B02	None known.
SureSelect 8bp Index C02	None known.
SureSelect 8bp Index D02	None known.
SureSelect 8bp Index E02	None known.
SureSelect 8bp Index F02	None known.
SureSelect 8bp Index G02	None known.
SureSelect 8bp Index H02	None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

10X End Repair Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
5X T4 DNA Ligase Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
Klenow DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst.
T4 DNA Ligase	In a fire or if heated, a pressure increase will occur and the container may burst.
T4 DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst.
T4 Polynucleotide Kinase	In a fire or if heated, a pressure increase will occur and the container may burst.
dNTP Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
10X Klenow Polymerase Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
Exo(-) Klenow	In a fire or if heated, a pressure increase will occur and the container may burst.
dATP	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Adaptor Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index A01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index B01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index C01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index D01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index E01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index F01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index G01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index H01	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index A02	In a fire or if heated, a pressure increase will occur and the container may burst.

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SureSelect 8bp Index B02	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index C02	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index D02	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index E02	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index F02	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index G02	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index H02	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products : 10X End Repair Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
5X T4 DNA Ligase Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Klenow DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 DNA Ligase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 Polynucleotide Kinase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
dNTP Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
10X Klenow Polymerase Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Exo(-) Klenow	Decomposition products may include the following

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dATP	materials: carbon dioxide carbon monoxide
SureSelect Adaptor Oligo Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect 8bp Index A01	No specific data.
SureSelect 8bp Index B01	No specific data.
SureSelect 8bp Index C01	No specific data.
SureSelect 8bp Index D01	No specific data.
SureSelect 8bp Index E01	No specific data.
SureSelect 8bp Index F01	No specific data.
SureSelect 8bp Index G01	No specific data.
SureSelect 8bp Index H01	No specific data.
SureSelect 8bp Index A02	No specific data.
SureSelect 8bp Index B02	No specific data.
SureSelect 8bp Index C02	No specific data.
SureSelect 8bp Index D02	No specific data.
SureSelect 8bp Index E02	No specific data.
SureSelect 8bp Index F02	No specific data.
SureSelect 8bp Index G02	No specific data.
SureSelect 8bp Index H02	No specific data.

5.3 Advice for firefighters

Special protective actions for fire-fighters

: 10X End Repair Buffer	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.
5X T4 DNA Ligase Buffer	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.
Klenow DNA Polymerase	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.
T4 DNA Ligase	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.
T4 DNA Polymerase	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.
T4 Polynucleotide Kinase	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.
dNTP 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.
10X Klenow Polymerase Buffer	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.
Exo(-) Klenow	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No

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dATP	action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Adaptor Oligo Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index A01	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 8bp Index B01	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 8bp Index C01	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 8bp Index D01	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 8bp Index E01	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 8bp Index F01	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 8bp Index G01	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 8bp Index H01	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 8bp Index A02	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 8bp Index B02	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 8bp Index C02	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 8bp Index D02	Promptly isolate the scene by removing all persons

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from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SureSelect 8bp Index E02

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 8bp Index F02

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 8bp Index G02

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 8bp Index H02

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: 10X End Repair Buffer

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

5X T4 DNA Ligase Buffer

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

Klenow DNA Polymerase

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

T4 DNA Ligase

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

T4 DNA Polymerase

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

T4 Polynucleotide Kinase

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

dNTP Mix

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

10X Klenow Polymerase Buffer

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

Exo(-) Klenow

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

dATP

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

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SureSelect Adaptor Oligo Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index A01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index B01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index C01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index D01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index E01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index F01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index G01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index H01	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index A02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index B02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index C02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index D02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index E02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

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SureSelect 8bp Index F02	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index G02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index H02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: 10X End Repair Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	5X T4 DNA Ligase Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Klenow DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	T4 DNA Ligase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	T4 DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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T4 Polynucleotide Kinase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
dNTP Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
10X Klenow Polymerase Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
Exo(-) Klenow	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
dATP	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect Adaptor Oligo Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index A01	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index B01	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on

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SureSelect 8bp Index C01	appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index D01	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index E01	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index F01	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index G01	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index H01	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index A02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index B02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index C02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index D02	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

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SureSelect 8bp Index E02	touch or walk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index F02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index G02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 8bp Index 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 spilled material. Put on appropriate personal protective equipment.
For emergency responders : 10X End Repair Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
5X T4 DNA Ligase Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Klenow DNA Polymerase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Ligase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Polymerase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 Polynucleotide Kinase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
dNTP Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
10X Klenow Polymerase Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Exo(-) Klenow	If specialized clothing is required to deal with the

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dATP	spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Adaptor Oligo Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index A01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index B01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index C01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index D01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index E01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index F01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index G01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index H01	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index A02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index B02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index C02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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SureSelect 8bp Index D02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index E02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index F02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index G02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index H02	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

10X End Repair Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
5X T4 DNA Ligase Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Klenow DNA Polymerase	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
T4 DNA Ligase	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
T4 DNA Polymerase	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
T4 Polynucleotide Kinase	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
dNTP Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
10X Klenow Polymerase Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has

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Exo(-) Klenow	caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
dATP	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Adaptor Oligo Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index A01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index B01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index C01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index D01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index E01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index F01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index G01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index H01	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index A02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index B02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index C02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index D02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index E02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index F02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index G02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index H02	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : 10X End Repair Buffer

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.

5X T4 DNA Ligase Buffer

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.

Klenow DNA Polymerase

Stop leak if without risk. Move containers from spill

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	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.
T4 DNA Ligase	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.
T4 DNA Polymerase	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.
T4 Polynucleotide Kinase	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.
dNTP 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.
10X Klenow Polymerase Buffer	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.
Exo(-) Klenow	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.
dATP	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 Adaptor 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.
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.

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SureSelect 8bp Index A01	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 8bp Index B01	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 8bp Index C01	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 8bp Index D01	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 8bp Index E01	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 8bp Index F01	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 8bp Index G01	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 8bp Index H01	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 8bp Index A02	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 8bp Index B02	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.

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SureSelect 8bp Index C02	disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect 8bp Index D02	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 8bp Index E02	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 8bp Index F02	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 8bp Index G02	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 8bp Index 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.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures	: 10X End Repair Buffer	Put on appropriate personal protective equipment (see Section 8).
	5X T4 DNA Ligase Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.
	Klenow DNA Polymerase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers

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	retain product residue and can be hazardous. Do not reuse container.
T4 DNA Ligase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
T4 DNA Polymerase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
T4 Polynucleotide Kinase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
dNTP Mix	Put on appropriate personal protective equipment (see Section 8).
10X Klenow Polymerase Buffer	Put on appropriate personal protective equipment (see Section 8).
Exo(-) Klenow	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
dATP	Put on appropriate personal protective equipment (see Section 8).
SureSelect Adaptor Oligo Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect Primer	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index A01	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index B01	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index C01	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index D01	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index E01	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index F01	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index G01	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index H01	Put on appropriate personal protective equipment

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(see Section 8).

SureSelect 8bp Index A02 Put on appropriate personal protective equipment (see Section 8).

SureSelect 8bp Index B02 Put on appropriate personal protective equipment (see Section 8).

SureSelect 8bp Index C02 Put on appropriate personal protective equipment (see Section 8).

SureSelect 8bp Index D02 Put on appropriate personal protective equipment (see Section 8).

SureSelect 8bp Index E02 Put on appropriate personal protective equipment (see Section 8).

SureSelect 8bp Index F02 Put on appropriate personal protective equipment (see Section 8).

SureSelect 8bp Index G02 Put on appropriate personal protective equipment (see Section 8).

SureSelect 8bp Index H02 Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

:  10X End Repair Buffer

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.

5X T4 DNA Ligase Buffer

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.

Klenow DNA Polymerase

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.

T4 DNA Ligase

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.

T4 DNA Polymerase

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.

T4 Polynucleotide Kinase

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.

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dNTP 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.
10X Klenow Polymerase Buffer	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.
Exo(-) Klenow	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.
dATP	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 Adaptor Oligo Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect 8bp Index A01	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 8bp Index B01	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 8bp Index C01	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face

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SureSelect 8bp Index D01	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. 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 8bp Index E01	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 8bp Index F01	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 8bp Index G01	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 8bp Index H01	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 8bp Index A02	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 8bp Index B02	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 8bp Index C02	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

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SureSelect 8bp Index D02	for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect 8bp Index E02	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 8bp Index F02	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 8bp Index G02	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 8bp Index 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.

7.2 Conditions for safe storage, including any incompatibilities

: 10X End Repair Buffer

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

5X T4 DNA Ligase Buffer

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. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before

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Klenow DNA Polymerase	<p>handling or use.</p> <p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
T4 DNA Ligase	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
T4 DNA Polymerase	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
T4 Polynucleotide Kinase	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
dNTP Mix	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.</p>
10X Klenow Polymerase Buffer	<p>Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from</p>

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Exo(-) Klenow	incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
dATP	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Adaptor Oligo Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index A01	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

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SureSelect 8bp Index B01

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

SureSelect 8bp Index C01

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

SureSelect 8bp Index D01

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

SureSelect 8bp Index E01

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

SureSelect 8bp Index F01

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

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SureSelect 8bp Index G01	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index H01	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index A02	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index B02	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index C02	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index D02	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

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SureSelect 8bp Index E02	and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index F02	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index G02	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

[7.3 Specific end use\(s\)](#)

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
10X End Repair Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride (R*,R*)-1,4-Dimercaptobutane-2,3-diol	None. None.
5X T4 DNA Ligase Buffer Polyethylene glycol 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	AIHA WEEL (United States, 10/2011). TWA: 10 mg/m ³ 8 hours. Form: Aerosol None.
Klenow DNA Polymerase Glycerol	OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust
T4 DNA Ligase Glycerol	OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust
T4 DNA Polymerase Glycerol	OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust
T4 Polynucleotide Kinase Glycerol	OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 10 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 6/2016). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction TWA: 15 mg/m ³ 8 hours. Form: Total dust
10X Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	None.
Exo(-) Klenow	None.

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Glycerol	<p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction</p> <p>TWA: 10 mg/m³ 8 hours. Form: Total dust</p> <p>OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction</p> <p>TWA: 15 mg/m³ 8 hours. Form: Total dust</p>
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8.2 Exposure controls

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

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- 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.
- 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

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** :
- | | |
|--------------------------|---------|
| 10X End Repair Buffer | Liquid. |
| 5X T4 DNA Ligase Buffer | Liquid. |
| Klenow DNA Polymerase | Liquid. |
| T4 DNA Ligase | Liquid. |
| T4 DNA Polymerase | Liquid. |
| T4 Polynucleotide Kinase | Liquid. |
| dNTP Mix | Liquid. |

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	10X Klenow Polymerase Buffer	Liquid.
	Exo(-) Klenow	Liquid.
	dATP	Liquid.
	SureSelect Adaptor Oligo Mix	Liquid.
	SureSelect Primer	Liquid.
	SureSelect 8bp Index A01	Liquid.
	SureSelect 8bp Index B01	Liquid.
	SureSelect 8bp Index C01	Liquid.
	SureSelect 8bp Index D01	Liquid.
	SureSelect 8bp Index E01	Liquid.
	SureSelect 8bp Index F01	Liquid.
	SureSelect 8bp Index G01	Liquid.
	SureSelect 8bp Index H01	Liquid.
	SureSelect 8bp Index A02	Liquid.
	SureSelect 8bp Index B02	Liquid.
	SureSelect 8bp Index C02	Liquid.
	SureSelect 8bp Index D02	Liquid.
	SureSelect 8bp Index E02	Liquid.
	SureSelect 8bp Index F02	Liquid.
	SureSelect 8bp Index G02	Liquid.
	SureSelect 8bp Index H02	Liquid.
Color	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
Odor	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.

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	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
Odor threshold	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
pH	: 10X End Repair Buffer	7.5
	5X T4 DNA Ligase Buffer	7.5
	Klenow DNA Polymerase	7
	T4 DNA Ligase	7.4
	T4 DNA Polymerase	6.5
	T4 Polynucleotide Kinase	7.4
	dNTP Mix	7.5
	10X Klenow Polymerase Buffer	7.5
	Exo(-) Klenow	7
	dATP	7 to 8
	SureSelect Adaptor Oligo Mix	7.5
	SureSelect Primer	7.5
	SureSelect 8bp Index A01	7.5

Section 9. Physical and chemical properties

SureSelect 8bp Index B01	7.5
SureSelect 8bp Index C01	7.5
SureSelect 8bp Index D01	7.5
SureSelect 8bp Index E01	7.5
SureSelect 8bp Index F01	7.5
SureSelect 8bp Index G01	7.5
SureSelect 8bp Index H01	7.5
SureSelect 8bp Index A02	7.5
SureSelect 8bp Index B02	7.5
SureSelect 8bp Index C02	7.5
SureSelect 8bp Index D02	7.5
SureSelect 8bp Index E02	7.5
SureSelect 8bp Index F02	7.5
SureSelect 8bp Index G02	7.5
SureSelect 8bp Index H02	7.5

Melting point

10X End Repair Buffer	Not available.
5X T4 DNA Ligase Buffer	Not available.
Klenow DNA Polymerase	Not available.
T4 DNA Ligase	Not available.
T4 DNA Polymerase	Not available.
T4 Polynucleotide Kinase	Not available.
dNTP Mix	0°C (32°F)
10X Klenow Polymerase Buffer	Not available.
Exo(-) Klenow	Not available.
dATP	0°C (32°F)
SureSelect Adaptor Oligo Mix	0°C (32°F)
SureSelect Primer	0°C (32°F)
SureSelect 8bp Index A01	0°C (32°F)
SureSelect 8bp Index B01	0°C (32°F)
SureSelect 8bp Index C01	0°C (32°F)
SureSelect 8bp Index D01	0°C (32°F)
SureSelect 8bp Index E01	0°C (32°F)
SureSelect 8bp Index F01	0°C (32°F)
SureSelect 8bp Index G01	0°C (32°F)
SureSelect 8bp Index H01	0°C (32°F)
SureSelect 8bp Index A02	0°C (32°F)
SureSelect 8bp Index B02	0°C (32°F)
SureSelect 8bp Index C02	0°C (32°F)
SureSelect 8bp Index D02	0°C (32°F)
SureSelect 8bp Index E02	0°C (32°F)
SureSelect 8bp Index F02	0°C (32°F)
SureSelect 8bp Index G02	0°C (32°F)
SureSelect 8bp Index H02	0°C (32°F)

Boiling point

10X End Repair Buffer	Not available.
5X T4 DNA Ligase Buffer	Not available.
Klenow DNA Polymerase	Not available.
T4 DNA Ligase	Not available.
T4 DNA Polymerase	Not available.
T4 Polynucleotide Kinase	Not available.
dNTP Mix	100°C (212°F)
10X Klenow Polymerase Buffer	Not available.
Exo(-) Klenow	Not available.
dATP	100°C (212°F)
SureSelect Adaptor Oligo Mix	100°C (212°F)
SureSelect Primer	100°C (212°F)
SureSelect 8bp Index A01	100°C (212°F)
SureSelect 8bp Index B01	100°C (212°F)
SureSelect 8bp Index C01	100°C (212°F)
SureSelect 8bp Index D01	100°C (212°F)

Section 9. Physical and chemical properties

SureSelect 8bp Index E01	100°C (212°F)
SureSelect 8bp Index F01	100°C (212°F)
SureSelect 8bp Index G01	100°C (212°F)
SureSelect 8bp Index H01	100°C (212°F)
SureSelect 8bp Index A02	100°C (212°F)
SureSelect 8bp Index B02	100°C (212°F)
SureSelect 8bp Index C02	100°C (212°F)
SureSelect 8bp Index D02	100°C (212°F)
SureSelect 8bp Index E02	100°C (212°F)
SureSelect 8bp Index F02	100°C (212°F)
SureSelect 8bp Index G02	100°C (212°F)
SureSelect 8bp Index H02	100°C (212°F)

Flash point

: 10X End Repair Buffer	Not available.
5X T4 DNA Ligase Buffer	Not available.
Klenow DNA Polymerase	Not available.
T4 DNA Ligase	Not available.
T4 DNA Polymerase	Not available.
T4 Polynucleotide Kinase	Not available.
dNTP Mix	Not available.
10X Klenow Polymerase Buffer	Not available.
Exo(-) Klenow	Not available.
dATP	Not available.
SureSelect Adaptor Oligo Mix	Not available.
SureSelect Primer	Not available.
SureSelect 8bp Index A01	Not available.
SureSelect 8bp Index B01	Not available.
SureSelect 8bp Index C01	Not available.
SureSelect 8bp Index D01	Not available.
SureSelect 8bp Index E01	Not available.
SureSelect 8bp Index F01	Not available.
SureSelect 8bp Index G01	Not available.
SureSelect 8bp Index H01	Not available.
SureSelect 8bp Index A02	Not available.
SureSelect 8bp Index B02	Not available.
SureSelect 8bp Index C02	Not available.
SureSelect 8bp Index D02	Not available.
SureSelect 8bp Index E02	Not available.
SureSelect 8bp Index F02	Not available.
SureSelect 8bp Index G02	Not available.
SureSelect 8bp Index H02	Not available.

Evaporation rate

: 10X End Repair Buffer	Not available.
5X T4 DNA Ligase Buffer	Not available.
Klenow DNA Polymerase	Not available.
T4 DNA Ligase	Not available.
T4 DNA Polymerase	Not available.
T4 Polynucleotide Kinase	Not available.
dNTP Mix	Not available.
10X Klenow Polymerase Buffer	Not available.
Exo(-) Klenow	Not available.
dATP	Not available.
SureSelect Adaptor Oligo Mix	Not available.
SureSelect Primer	Not available.
SureSelect 8bp Index A01	Not available.
SureSelect 8bp Index B01	Not available.
SureSelect 8bp Index C01	Not available.
SureSelect 8bp Index D01	Not available.
SureSelect 8bp Index E01	Not available.
SureSelect 8bp Index F01	Not available.
SureSelect 8bp Index G01	Not available.

Section 9. Physical and chemical properties

	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
Flammability (solid, gas)	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10X Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Adaptor Oligo Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect 8bp Index A01	Not applicable.
	SureSelect 8bp Index B01	Not applicable.
	SureSelect 8bp Index C01	Not applicable.
	SureSelect 8bp Index D01	Not applicable.
	SureSelect 8bp Index E01	Not applicable.
	SureSelect 8bp Index F01	Not applicable.
	SureSelect 8bp Index G01	Not applicable.
	SureSelect 8bp Index H01	Not applicable.
	SureSelect 8bp Index A02	Not applicable.
	SureSelect 8bp Index B02	Not applicable.
	SureSelect 8bp Index C02	Not applicable.
	SureSelect 8bp Index D02	Not applicable.
	SureSelect 8bp Index E02	Not applicable.
	SureSelect 8bp Index F02	Not applicable.
	SureSelect 8bp Index G02	Not applicable.
	SureSelect 8bp Index H02	Not applicable.
Lower and upper explosive (flammable) limits	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.

Section 9. Physical and chemical properties

	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
Vapor pressure	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
Vapor density	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.

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	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
Relative density	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.
Solubility	: 10X End Repair Buffer	Easily soluble in the following materials: cold water and hot water.
	5X T4 DNA Ligase Buffer	Soluble in the following materials: cold water and hot water.
	Klenow DNA Polymerase	Soluble in the following materials: cold water and hot water.
	T4 DNA Ligase	Soluble in the following materials: cold water and hot water.
	T4 DNA Polymerase	Soluble in the following materials: cold water and hot water.
	T4 Polynucleotide Kinase	Soluble in the following materials: cold water and hot water.
	dNTP Mix	Easily soluble in the following materials: cold water and hot water.
	10X Klenow Polymerase Buffer	Easily soluble in the following materials: cold water and hot water.
	Exo(-) Klenow	Soluble in the following materials: cold water and hot water.
	dATP	Easily soluble in the following materials: cold water and hot water.
	SureSelect Adaptor Oligo Mix	Easily soluble in the following materials: cold water and hot water.
	SureSelect Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect 8bp Index A01	Easily soluble in the following materials: cold water and hot water.
	SureSelect 8bp Index B01	Easily soluble in the following materials: cold water and hot water.

Section 9. Physical and chemical properties

SureSelect 8bp Index C01	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index D01	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index E01	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index F01	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index G01	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index H01	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index A02	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index B02	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index C02	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index D02	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index E02	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index F02	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index G02	Easily soluble in the following materials: cold water and hot water.
SureSelect 8bp Index H02	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	
10X End Repair Buffer	Not available.
5X T4 DNA Ligase Buffer	Not available.
Klenow DNA Polymerase	Not available.
T4 DNA Ligase	Not available.
T4 DNA Polymerase	Not available.
T4 Polynucleotide Kinase	Not available.
dNTP Mix	Not available.
10X Klenow Polymerase Buffer	Not available.
Exo(-) Klenow	Not available.
dATP	Not available.
SureSelect Adaptor Oligo Mix	Not available.
SureSelect Primer	Not available.
SureSelect 8bp Index A01	Not available.
SureSelect 8bp Index B01	Not available.
SureSelect 8bp Index C01	Not available.
SureSelect 8bp Index D01	Not available.
SureSelect 8bp Index E01	Not available.
SureSelect 8bp Index F01	Not available.
SureSelect 8bp Index G01	Not available.
SureSelect 8bp Index H01	Not available.
SureSelect 8bp Index A02	Not available.
SureSelect 8bp Index B02	Not available.
SureSelect 8bp Index C02	Not available.
SureSelect 8bp Index D02	Not available.
SureSelect 8bp Index E02	Not available.
SureSelect 8bp Index F02	Not available.
SureSelect 8bp Index G02	Not available.
SureSelect 8bp Index H02	Not available.

Section 9. Physical and chemical properties

Auto-ignition temperature	: 10X End Repair Buffer	Not available.	
	5X T4 DNA Ligase Buffer	Not available.	
	Klenow DNA Polymerase	Not available.	
	T4 DNA Ligase	Not available.	
	T4 DNA Polymerase	Not available.	
	T4 Polynucleotide Kinase	Not available.	
	dNTP Mix	Not available.	
	10X Klenow Polymerase Buffer	Not available.	
	Exo(-) Klenow	Not available.	
	dATP	Not available.	
	SureSelect Adaptor Oligo Mix	Not available.	
	SureSelect Primer	Not available.	
	SureSelect 8bp Index A01	Not available.	
	SureSelect 8bp Index B01	Not available.	
	SureSelect 8bp Index C01	Not available.	
	SureSelect 8bp Index D01	Not available.	
	SureSelect 8bp Index E01	Not available.	
	SureSelect 8bp Index F01	Not available.	
	SureSelect 8bp Index G01	Not available.	
	SureSelect 8bp Index H01	Not available.	
	SureSelect 8bp Index A02	Not available.	
	SureSelect 8bp Index B02	Not available.	
	SureSelect 8bp Index C02	Not available.	
	SureSelect 8bp Index D02	Not available.	
	SureSelect 8bp Index E02	Not available.	
	SureSelect 8bp Index F02	Not available.	
	SureSelect 8bp Index G02	Not available.	
	SureSelect 8bp Index H02	Not available.	
	Decomposition temperature	: 10X End Repair Buffer	Not available.
		5X T4 DNA Ligase Buffer	Not available.
Klenow DNA Polymerase		Not available.	
T4 DNA Ligase		Not available.	
T4 DNA Polymerase		Not available.	
T4 Polynucleotide Kinase		Not available.	
dNTP Mix		Not available.	
10X Klenow Polymerase Buffer		Not available.	
Exo(-) Klenow		Not available.	
dATP		Not available.	
SureSelect Adaptor Oligo Mix		Not available.	
SureSelect Primer		Not available.	
SureSelect 8bp Index A01		Not available.	
SureSelect 8bp Index B01		Not available.	
SureSelect 8bp Index C01		Not available.	
SureSelect 8bp Index D01		Not available.	
SureSelect 8bp Index E01		Not available.	
SureSelect 8bp Index F01		Not available.	
SureSelect 8bp Index G01		Not available.	
SureSelect 8bp Index H01		Not available.	
SureSelect 8bp Index A02		Not available.	
SureSelect 8bp Index B02		Not available.	
SureSelect 8bp Index C02		Not available.	
SureSelect 8bp Index D02		Not available.	
SureSelect 8bp Index E02		Not available.	
SureSelect 8bp Index F02		Not available.	
SureSelect 8bp Index G02		Not available.	
SureSelect 8bp Index H02		Not available.	

Section 9. Physical and chemical properties

Viscosity	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10X Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 8bp Index A01	Not available.
	SureSelect 8bp Index B01	Not available.
	SureSelect 8bp Index C01	Not available.
	SureSelect 8bp Index D01	Not available.
	SureSelect 8bp Index E01	Not available.
	SureSelect 8bp Index F01	Not available.
	SureSelect 8bp Index G01	Not available.
	SureSelect 8bp Index H01	Not available.
	SureSelect 8bp Index A02	Not available.
	SureSelect 8bp Index B02	Not available.
	SureSelect 8bp Index C02	Not available.
	SureSelect 8bp Index D02	Not available.
	SureSelect 8bp Index E02	Not available.
	SureSelect 8bp Index F02	Not available.
	SureSelect 8bp Index G02	Not available.
	SureSelect 8bp Index H02	Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: 10X End Repair Buffer	No specific test data related to reactivity available for this product or its ingredients.
	5X T4 DNA Ligase Buffer	No specific test data related to reactivity available for this product or its ingredients.
	Klenow DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
	T4 DNA Ligase	No specific test data related to reactivity available for this product or its ingredients.
	T4 DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
	T4 Polynucleotide Kinase	No specific test data related to reactivity available for this product or its ingredients.
	dNTP Mix	No specific test data related to reactivity available for this product or its ingredients.
	10X Klenow Polymerase Buffer	No specific test data related to reactivity available for this product or its ingredients.
	Exo(-) Klenow	No specific test data related to reactivity available for this product or its ingredients.
	dATP	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect Adaptor Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect Primer	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect 8bp Index A01	No specific test data related to reactivity available for this product or its ingredients.
	SureSelect 8bp Index B01	No specific test data related to reactivity available for this product or its ingredients.

Section 10. Stability and reactivity

SureSelect 8bp Index C01	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index D01	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index E01	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index F01	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index G01	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index H01	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index A02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index B02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index C02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index D02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index E02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index F02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index G02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index H02	No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

10X End Repair Buffer	The product is stable.
5X T4 DNA Ligase Buffer	The product is stable.
Klenow DNA Polymerase	The product is stable.
T4 DNA Ligase	The product is stable.
T4 DNA Polymerase	The product is stable.
T4 Polynucleotide Kinase	The product is stable.
dNTP Mix	The product is stable.
10X Klenow Polymerase Buffer	The product is stable.
Exo(-) Klenow	The product is stable.
dATP	The product is stable.
SureSelect Adaptor Oligo Mix	The product is stable.
SureSelect Primer	The product is stable.
SureSelect 8bp Index A01	The product is stable.
SureSelect 8bp Index B01	The product is stable.
SureSelect 8bp Index C01	The product is stable.
SureSelect 8bp Index D01	The product is stable.
SureSelect 8bp Index E01	The product is stable.
SureSelect 8bp Index F01	The product is stable.
SureSelect 8bp Index G01	The product is stable.
SureSelect 8bp Index H01	The product is stable.
SureSelect 8bp Index A02	The product is stable.
SureSelect 8bp Index B02	The product is stable.
SureSelect 8bp Index C02	The product is stable.
SureSelect 8bp Index D02	The product is stable.
SureSelect 8bp Index E02	The product is stable.
SureSelect 8bp Index F02	The product is stable.
SureSelect 8bp Index G02	The product is stable.
SureSelect 8bp Index H02	The product is stable.

Section 10. Stability and reactivity

10.3 Possibility of hazardous reactions

10X End Repair Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
5X T4 DNA Ligase Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
Klenow DNA Polymerase	Under normal conditions of storage and use, hazardous reactions will not occur.
T4 DNA Ligase	Under normal conditions of storage and use, hazardous reactions will not occur.
T4 DNA Polymerase	Under normal conditions of storage and use, hazardous reactions will not occur.
T4 Polynucleotide Kinase	Under normal conditions of storage and use, hazardous reactions will not occur.
dNTP Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
10X Klenow Polymerase Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
Exo(-) Klenow	Under normal conditions of storage and use, hazardous reactions will not occur.
dATP	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index A01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index B01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index C01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index D01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index E01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index F01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index G01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index H01	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index A02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index B02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index C02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index D02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index E02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index F02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index G02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index H02	Under normal conditions of storage and use, hazardous reactions will not occur.

Section 10. Stability and reactivity

SureSelect 8bp Index D01	materials. May react or be incompatible with oxidizing materials.
SureSelect 8bp Index E01	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index F01	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index G01	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index H01	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index A02	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index B02	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index C02	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index D02	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index E02	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index F02	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index G02	May react or be incompatible with oxidizing materials.
SureSelect 8bp Index H02	May react or be incompatible with oxidizing materials.

10.6 Hazardous decomposition products

10X End Repair Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
5X T4 DNA Ligase Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Klenow DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Ligase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 Polynucleotide Kinase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
dNTP Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10X Klenow Polymerase Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Exo(-) Klenow	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
dATP	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 10. Stability and reactivity

SureSelect Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index A01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index B01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index C01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index D01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index E01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index F01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index G01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index H01	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index A02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index B02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index C02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index D02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index E02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index F02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index G02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index H02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Klenow DNA Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
T4 DNA Ligase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
T4 DNA Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
T4 Polynucleotide Kinase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Exo(-) Klenow Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
5X T4 DNA Ligase Buffer Polyethylene glycol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Klenow DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
T4 DNA Ligase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
T4 DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
T4 Polynucleotide Kinase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Exo(-) Klenow Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-

Section 11. Toxicological information

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

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
10X End Repair Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
(R*,R*)-1,4-Dimercaptobutane-2,3-diol	Category 3	Not applicable.	Respiratory tract irritation
5X T4 DNA Ligase Buffer Polyethylene glycol	Category 3	Not applicable.	Respiratory tract irritation
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
10X Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

: 10X End Repair Buffer

Routes of entry anticipated: Oral, Dermal, Inhalation.

5X T4 DNA Ligase Buffer

Routes of entry anticipated: Oral, Dermal, Inhalation.

Klenow DNA Polymerase

Routes of entry anticipated: Oral, Dermal, Inhalation.

T4 DNA Ligase

Routes of entry anticipated: Oral, Dermal, Inhalation.

T4 DNA Polymerase

Routes of entry anticipated: Oral, Dermal, Inhalation.

T4 Polynucleotide Kinase

Routes of entry anticipated: Oral, Dermal, Inhalation.

dNTP Mix

Not available.

Section 11. Toxicological information

10X Klenow Polymerase Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
Exo(-) Klenow	Routes of entry anticipated: Oral, Dermal, Inhalation.
dATP	Not available.
SureSelect Adaptor Oligo Mix	Not available.
SureSelect Primer	Not available.
SureSelect 8bp Index A01	Not available.
SureSelect 8bp Index B01	Not available.
SureSelect 8bp Index C01	Not available.
SureSelect 8bp Index D01	Not available.
SureSelect 8bp Index E01	Not available.
SureSelect 8bp Index F01	Not available.
SureSelect 8bp Index G01	Not available.
SureSelect 8bp Index H01	Not available.
SureSelect 8bp Index A02	Not available.
SureSelect 8bp Index B02	Not available.
SureSelect 8bp Index C02	Not available.
SureSelect 8bp Index D02	Not available.
SureSelect 8bp Index E02	Not available.
SureSelect 8bp Index F02	Not available.
SureSelect 8bp Index G02	Not available.
SureSelect 8bp Index H02	Not available.

Potential acute health effects

Eye contact

10X End Repair Buffer	No known significant effects or critical hazards.
5X T4 DNA Ligase Buffer	Causes serious eye irritation.
Klenow DNA Polymerase	Causes eye irritation.
T4 DNA Ligase	Causes eye irritation.
T4 DNA Polymerase	Causes eye irritation.
T4 Polynucleotide Kinase	Causes eye irritation.
dNTP Mix	No known significant effects or critical hazards.
10X Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	Causes eye irritation.
dATP	No known significant effects or critical hazards.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect 8bp Index A01	No known significant effects or critical hazards.
SureSelect 8bp Index B01	No known significant effects or critical hazards.
SureSelect 8bp Index C01	No known significant effects or critical hazards.
SureSelect 8bp Index D01	No known significant effects or critical hazards.
SureSelect 8bp Index E01	No known significant effects or critical hazards.
SureSelect 8bp Index F01	No known significant effects or critical hazards.
SureSelect 8bp Index G01	No known significant effects or critical hazards.
SureSelect 8bp Index H01	No known significant effects or critical hazards.
SureSelect 8bp Index A02	No known significant effects or critical hazards.
SureSelect 8bp Index B02	No known significant effects or critical hazards.
SureSelect 8bp Index C02	No known significant effects or critical hazards.
SureSelect 8bp Index D02	No known significant effects or critical hazards.
SureSelect 8bp Index E02	No known significant effects or critical hazards.
SureSelect 8bp Index F02	No known significant effects or critical hazards.
SureSelect 8bp Index G02	No known significant effects or critical hazards.
SureSelect 8bp Index H02	No known significant effects or critical hazards.

Section 11. Toxicological information

	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect 8bp Index A01	No specific data.
	SureSelect 8bp Index B01	No specific data.
	SureSelect 8bp Index C01	No specific data.
	SureSelect 8bp Index D01	No specific data.
	SureSelect 8bp Index E01	No specific data.
	SureSelect 8bp Index F01	No specific data.
	SureSelect 8bp Index G01	No specific data.
	SureSelect 8bp Index H01	No specific data.
	SureSelect 8bp Index A02	No specific data.
	SureSelect 8bp Index B02	No specific data.
	SureSelect 8bp Index C02	No specific data.
	SureSelect 8bp Index D02	No specific data.
	SureSelect 8bp Index E02	No specific data.
	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.
Inhalation	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	Adverse symptoms may include the following: respiratory tract irritation coughing
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10X Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect 8bp Index A01	No specific data.
	SureSelect 8bp Index B01	No specific data.
	SureSelect 8bp Index C01	No specific data.
	SureSelect 8bp Index D01	No specific data.
	SureSelect 8bp Index E01	No specific data.
	SureSelect 8bp Index F01	No specific data.
	SureSelect 8bp Index G01	No specific data.
	SureSelect 8bp Index H01	No specific data.
	SureSelect 8bp Index A02	No specific data.
	SureSelect 8bp Index B02	No specific data.
	SureSelect 8bp Index C02	No specific data.
	SureSelect 8bp Index D02	No specific data.
	SureSelect 8bp Index E02	No specific data.
	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.
Skin contact	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10X Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.

Section 11. Toxicological information

	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect 8bp Index A01	No specific data.
	SureSelect 8bp Index B01	No specific data.
	SureSelect 8bp Index C01	No specific data.
	SureSelect 8bp Index D01	No specific data.
	SureSelect 8bp Index E01	No specific data.
	SureSelect 8bp Index F01	No specific data.
	SureSelect 8bp Index G01	No specific data.
	SureSelect 8bp Index H01	No specific data.
	SureSelect 8bp Index A02	No specific data.
	SureSelect 8bp Index B02	No specific data.
	SureSelect 8bp Index C02	No specific data.
	SureSelect 8bp Index D02	No specific data.
	SureSelect 8bp Index E02	No specific data.
	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.
Ingestion	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10X Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect 8bp Index A01	No specific data.
	SureSelect 8bp Index B01	No specific data.
	SureSelect 8bp Index C01	No specific data.
	SureSelect 8bp Index D01	No specific data.
	SureSelect 8bp Index E01	No specific data.
	SureSelect 8bp Index F01	No specific data.
	SureSelect 8bp Index G01	No specific data.
	SureSelect 8bp Index H01	No specific data.
	SureSelect 8bp Index A02	No specific data.
	SureSelect 8bp Index B02	No specific data.
	SureSelect 8bp Index C02	No specific data.
	SureSelect 8bp Index D02	No specific data.
	SureSelect 8bp Index E02	No specific data.
	SureSelect 8bp Index F02	No specific data.
	SureSelect 8bp Index G02	No specific data.
	SureSelect 8bp Index H02	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Section 11. Toxicological information

Potential chronic health effects

General

10X End Repair Buffer	No known significant effects or critical hazards.
5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
Klenow DNA Polymerase	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
T4 DNA Polymerase	No known significant effects or critical hazards.
T4 Polynucleotide Kinase	No known significant effects or critical hazards.
dNTP Mix	No known significant effects or critical hazards.
10X Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	No known significant effects or critical hazards.
dATP	No known significant effects or critical hazards.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect 8bp Index A01	No known significant effects or critical hazards.
SureSelect 8bp Index B01	No known significant effects or critical hazards.
SureSelect 8bp Index C01	No known significant effects or critical hazards.
SureSelect 8bp Index D01	No known significant effects or critical hazards.
SureSelect 8bp Index E01	No known significant effects or critical hazards.
SureSelect 8bp Index F01	No known significant effects or critical hazards.
SureSelect 8bp Index G01	No known significant effects or critical hazards.
SureSelect 8bp Index H01	No known significant effects or critical hazards.
SureSelect 8bp Index A02	No known significant effects or critical hazards.
SureSelect 8bp Index B02	No known significant effects or critical hazards.
SureSelect 8bp Index C02	No known significant effects or critical hazards.
SureSelect 8bp Index D02	No known significant effects or critical hazards.
SureSelect 8bp Index E02	No known significant effects or critical hazards.
SureSelect 8bp Index F02	No known significant effects or critical hazards.
SureSelect 8bp Index G02	No known significant effects or critical hazards.
SureSelect 8bp Index H02	No known significant effects or critical hazards.

Carcinogenicity

10X End Repair Buffer	No known significant effects or critical hazards.
5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
Klenow DNA Polymerase	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
T4 DNA Polymerase	No known significant effects or critical hazards.
T4 Polynucleotide Kinase	No known significant effects or critical hazards.
dNTP Mix	No known significant effects or critical hazards.
10X Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	No known significant effects or critical hazards.
dATP	No known significant effects or critical hazards.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect 8bp Index A01	No known significant effects or critical hazards.
SureSelect 8bp Index B01	No known significant effects or critical hazards.
SureSelect 8bp Index C01	No known significant effects or critical hazards.
SureSelect 8bp Index D01	No known significant effects or critical hazards.
SureSelect 8bp Index E01	No known significant effects or critical hazards.
SureSelect 8bp Index F01	No known significant effects or critical hazards.
SureSelect 8bp Index G01	No known significant effects or critical hazards.
SureSelect 8bp Index H01	No known significant effects or critical hazards.
SureSelect 8bp Index A02	No known significant effects or critical hazards.
SureSelect 8bp Index B02	No known significant effects or critical hazards.
SureSelect 8bp Index C02	No known significant effects or critical hazards.
SureSelect 8bp Index D02	No known significant effects or critical hazards.
SureSelect 8bp Index E02	No known significant effects or critical hazards.
SureSelect 8bp Index F02	No known significant effects or critical hazards.
SureSelect 8bp Index G02	No known significant effects or critical hazards.
SureSelect 8bp Index H02	No known significant effects or critical hazards.

Section 11. Toxicological information

Acute toxicity estimates

Route	ATE value
10X End Repair Buffer Oral	32467.5 mg/kg

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
10X End Repair Buffer (R*,R*)-1, 4-Dimercaptobutane-2,3-diol	Acute LC50 27000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
5X T4 DNA Ligase Buffer Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
Klenow DNA Polymerase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
T4 DNA Ligase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
T4 DNA Polymerase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
T4 Polynucleotide Kinase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Exo(-) Klenow Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Klenow DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 DNA Ligase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 Polynucleotide Kinase				

Section 12. Ecological information

Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Exo(-) Klenow Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
5X T4 DNA Ligase Buffer Polyethylene glycol	-	3.2	low
Klenow DNA Polymerase Glycerol	-1.76	-	low
T4 DNA Ligase Glycerol	-1.76	-	low
T4 DNA Polymerase Glycerol	-1.76	-	low
T4 Polynucleotide Kinase Glycerol	-1.76	-	low
Exo(-) Klenow Glycerol	-1.76	-	low

12.4 Mobility in soil

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

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

Section 13. Disposal considerations

13.1 Waste treatment methods

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

Section 13. Disposal considerations

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

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

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

Section 14. Transport information

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

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

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

Section 15. Regulatory information

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

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

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

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification

10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	EYE IRRITATION - Category 2A
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Klenow DNA Polymerase	EYE IRRITATION - Category 2B
T4 DNA Ligase	EYE IRRITATION - Category 2B
T4 DNA Polymerase	EYE IRRITATION - Category 2B
	EYE IRRITATION - Category 2B

Section 15. Regulatory information

T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10X Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	EYE IRRITATION - Category 2B
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect 8bp Index A01	Not applicable.
SureSelect 8bp Index B01	Not applicable.
SureSelect 8bp Index C01	Not applicable.
SureSelect 8bp Index D01	Not applicable.
SureSelect 8bp Index E01	Not applicable.
SureSelect 8bp Index F01	Not applicable.
SureSelect 8bp Index G01	Not applicable.
SureSelect 8bp Index H01	Not applicable.
SureSelect 8bp Index A02	Not applicable.
SureSelect 8bp Index B02	Not applicable.
SureSelect 8bp Index C02	Not applicable.
SureSelect 8bp Index D02	Not applicable.
SureSelect 8bp Index E02	Not applicable.
SureSelect 8bp Index F02	Not applicable.
SureSelect 8bp Index G02	Not applicable.
SureSelect 8bp Index H02	Not applicable.

Composition/information on ingredients

No products were found.

State regulations

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

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

- Australia** : Not determined.
- Canada** : Not determined.
- China** : All components are listed or exempted.
- Europe** : All components are listed or exempted.
- Japan** : **Japan inventory (ENCS)**: Not determined.
Japan inventory (ISHL): Not determined.

Section 15. Regulatory information

Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: <input checked="" type="checkbox"/> All components are listed or exempted.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: <input checked="" type="checkbox"/> Not determined.
United States	: <input checked="" type="checkbox"/> All components are listed or exempted.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

Section 16. Other information

History

Date of issue	: 11/17/2017
Date of previous issue	: 11/26/2014.
Version	: 2

Indicates information that has changed from previously issued version.

Notice to reader

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