

# SAFETY DATA SHEET

SureSelect XT Methyl-Seq Reagent Kits - 16 Reactions, Part Number G9651A

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

<b>Product name</b>	: SureSelect XT Methyl-Seq Reagent Kits - 16 Reactions, Part Number G9651A
<b>Part no. (chemical kit)</b>	: G9651A
<b>Part no.</b>	: <u>SureSelect Methyl-Seq Library Prep Kit</u> <u>5500-0128</u>
	Exo(-) Klenow 5190-4926
	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
	dATP 5190-4930
	SureSelect Methyl-Seq Methylated Adapter 5190-4965
	SureSelect Methyl-Seq PCR1 primer F 5190-4966
	SureSelect Methyl-Seq PCR Master Mix 5190-7910
	SureSelect 8bp Index A01-H02 various*
	SureSelect Methyl-Seq PCR1 Primer R 5190-4967
	SureSelect Methyl-Seq Indexing Primer Common 5190-4968
	<u>SureSelect Methyl Seq TE Box 1</u> <u>5190-5000</u>
	SureSelect Hyb 1 5190-4396
	SureSelect Hyb 2 5190-4397
	SureSelect Hyb 4 5190-4406
	SureSelect Binding Buffer 5190-4399
	SureSelect Wash Buffer 1 5190-4400
	<u>SureSelect Methyl-Seq-20 Hyb Kit Box 2</u> <u>5190-5001</u>
	SureSelect Wash Buffer 2 5190-4401
	SureSelect Block 2 5190-4381
	SureSelect Hyb 3 5190-4382
	SureSelect RNase Block 5190-4383
	SureSelect Methyl-Seq Block 3 5190-5004
	SureSelect Indexing Block 1 5190-4427

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

**Identified uses** : Analytical reagent.

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

Exo(-) Klenow	0.053 ml (16 reactions)
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	0.04 ml (16 reactions)
dNTP Mix	0.032 ml (16 reactions)
10X Klenow Polymerase Buffer	0.088 ml (16 reactions)
dATP	0.02 ml (16 reactions)
SureSelect Methyl-Seq Methylated Adapter	0.088 ml (16 reactions)
SureSelect Methyl-Seq PCR1 primer F	0.066 ml (16 reactions)
SureSelect Methyl-Seq PCR Master Mix	1.32 ml (16 reactions)
SureSelect 8bp Index A01-H02	0.0125 ml (2 reactions )
SureSelect Methyl-Seq PCR1 Primer R	0.05 ml (16 reactions)
SureSelect Methyl-Seq Indexing Primer Common	0.05 ml (16 reactions)
SureSelect Hyb 1	0.4 ml
SureSelect Hyb 2	1.25 ml
SureSelect Hyb 4	1.25 ml
SureSelect Binding Buffer	13.2 ml
SureSelect Wash Buffer 1	8 ml
SureSelect Wash Buffer 2	24 ml
SureSelect Block 2	0.045 ml
SureSelect Hyb 3	0.16 ml
SureSelect RNase Block	0.016 ml
SureSelect Methyl-Seq Block 3	0.01 ml
SureSelect Indexing Block 1	0.045 ml

Uses advised against : None known.

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.  
5500 Lakeside Cheadle Royal Business Park,  
Cheadle, Cheshire, SK8 3GR  
United Kingdom  
Tel: +44 (0) 345 712 5292

e-mail address of person responsible for this SDS : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

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

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Product definition	:	Exo(-) Klenow	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	Mixture



## SECTION 2: Hazards identification

SureSelect Methyl-Seq Indexing Primer Common	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Hyb 1	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Hyb 2	The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Hyb 4	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Binding Buffer	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Wash Buffer 1	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Wash Buffer 2	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Block 2	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Hyb 3	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect RNase Block	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Methyl-Seq Block 3	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.
SureSelect Indexing Block 1	The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

<b>Ingredients of unknown toxicity</b>	: Exo(-) Klenow	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
	10X End Repair Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%
	5X T4 DNA Ligase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30%
	Klenow DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
	T4 DNA Ligase	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
	T4 DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
	T4 Polynucleotide Kinase	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
	dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%
	10X Klenow Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	SureSelect Methyl-Seq PCR Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	SureSelect Hyb 1	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30%
	SureSelect Binding Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%
		Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
	SureSelect RNase Block	Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
		Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%

## SECTION 2: Hazards identification

<b>Ingredients of unknown ecotoxicity</b>	<b>:</b> 10X End Repair Buffer	Contains 1.4% of components with unknown hazards to the aquatic environment
	5X T4 DNA Ligase Buffer	Contains 1% of components with unknown hazards to the aquatic environment
	dNTP Mix	Contains 4.8% of components with unknown hazards to the aquatic environment
	10X Klenow Polymerase Buffer	Contains 1.4% of components with unknown hazards to the aquatic environment
	SureSelect Hyb 3	Contains 3% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

#### Hazard pictograms

**:** SureSelect Hyb 2



#### Signal word

<b>:</b> Exo(-) Klenow	No signal word.
10X End Repair Buffer	No signal word.
5X T4 DNA Ligase Buffer	No signal word.
Klenow DNA Polymerase	No signal word.
T4 DNA Ligase	No signal word.
T4 DNA Polymerase	No signal word.
T4 Polynucleotide Kinase	No signal word.
dNTP Mix	No signal word.
10X Klenow Polymerase Buffer	No signal word.
dATP	No signal word.
SureSelect Methyl-Seq Methylated Adapter	No signal word.
SureSelect Methyl-Seq PCR1 primer F	No signal word.
SureSelect Methyl-Seq PCR Master Mix	No signal word.
SureSelect 8bp Index A01-H02	No signal word.
SureSelect Methyl-Seq PCR1 Primer R	No signal word.
SureSelect Methyl-Seq Indexing Primer Common	No signal word.
SureSelect Hyb 1	No signal word.
SureSelect Hyb 2	Warning
SureSelect Hyb 4	No signal word.
SureSelect Binding Buffer	No signal word.
SureSelect Wash Buffer 1	No signal word.
SureSelect Wash Buffer 2	No signal word.
SureSelect Block 2	No signal word.
SureSelect Hyb 3	No signal word.
SureSelect RNase Block	No signal word.
SureSelect Methyl-Seq Block 3	No signal word.
SureSelect Indexing Block 1	No signal word.

## SECTION 2: Hazards identification

<b>Hazard statements</b>	: Exo(-) Klenow	No known significant effects or critical hazards.
	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.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	H319 - Causes serious eye irritation.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.

### Precautionary statements

#### Prevention

: Exo(-) Klenow	Not applicable.
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.
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq PCR1 primer F	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect 8bp Index A01-H02	Not applicable.
SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.

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	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	P280 - Wear eye or face protection.
	SureSelect Hyb 4	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
<b>Response</b>	<b>:</b> Exo(-) Klenow	Not applicable.
	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.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq PCR1 primer F	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect 8bp Index A01-H02	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	SureSelect Hyb 4	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
	SureSelect Indexing Block 1	Not applicable.

## SECTION 2: Hazards identification

<b>Storage</b>	: Exo(-) Klenow	Not applicable.
	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.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq PCR1 primer F	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect 8bp Index A01-H02	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	Not applicable.
	SureSelect Hyb 4	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
<b>Disposal</b>	: Exo(-) Klenow	Not applicable.
	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.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq PCR1 primer F	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect 8bp Index A01-H02	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Hyb 1	Not applicable.

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SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block 3	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.
SureSelect Indexing Block 1	Not applicable.

**Supplemental label elements**

: Exo(-) Klenow	Safety data sheet available on request.
10X End Repair Buffer	Safety data sheet available on request.
5X T4 DNA Ligase Buffer	Not applicable.
Klenow DNA Polymerase	Safety data sheet available on request.
T4 DNA Ligase	Safety data sheet available on request.
T4 DNA Polymerase	Safety data sheet available on request.
T4 Polynucleotide Kinase	Safety data sheet available on request.
dNTP Mix	Not applicable.
10X Klenow Polymerase Buffer	Not applicable.
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq PCR1 primer F	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Safety data sheet available on request.
SureSelect 8bp Index A01-H02	Not applicable.
SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Safety data sheet available on request.
SureSelect Methyl-Seq Block 3	Not applicable.
SureSelect Indexing Block 1	Not applicable.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

: Exo(-) Klenow	Not applicable.
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	Not applicable.

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Buffer	
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq PCR1 primer F	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect 8bp Index A01-H02	Not applicable.
SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding	Not applicable.
Buffer	
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.
SureSelect Indexing Block 1	Not applicable.

### Special packaging requirements

#### Containers to be fitted with child-resistant fastenings

Exo(-) Klenow	Not applicable.
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	Not applicable.
Buffer	
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq PCR1 primer F	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect 8bp Index A01-H02	Not applicable.
SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding	Not applicable.
Buffer	
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.

## SECTION 2: Hazards identification

### Tactile warning of danger

SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.
SureSelect Indexing Block 1	Not applicable.
Exo(-) Klenow	Not applicable.
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.
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq PCR1 primer F	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect 8bp Index A01-H02	Not applicable.
SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.
SureSelect Indexing Block 1	Not applicable.

### 2.3 Other hazards

#### Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Exo(-) Klenow	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
10X End Repair Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
5X T4 DNA Ligase Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Klenow DNA Polymerase	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
T4 DNA Ligase	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
T4 DNA Polymerase	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
T4 Polynucleotide Kinase	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
dNTP Mix	This mixture does not contain any substances that are

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10X Klenow Polymerase Buffer	assessed to be a PBT or a vPvB.
dATP	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Methyl-Seq Methylated Adapter	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Methyl-Seq PCR1 primer F	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Methyl-Seq PCR Master Mix	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect 8bp Index A01-H02	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Methyl-Seq PCR1 Primer R	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Methyl-Seq Indexing Primer Common	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Hyb 1	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Hyb 2	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Hyb 4	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Binding Buffer	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Wash Buffer 1	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Wash Buffer 2	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Block 2	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Hyb 3	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect RNase Block	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Methyl-Seq Block 3	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
SureSelect Indexing Block 1	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Exo(-) Klenow	None known.
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.
dATP	None known.
SureSelect Methyl-Seq Methylated Adapter	None known.
SureSelect Methyl-Seq PCR1 primer F	None known.
SureSelect Methyl-Seq PCR Master Mix	None known.
SureSelect 8bp Index A01-H02	None known.
SureSelect Methyl-Seq PCR1 Primer R	None known.
SureSelect Methyl-Seq Indexing Primer Common	None known.
SureSelect Hyb 1	None known.
SureSelect Hyb 2	None known.

Other hazards which do not result in classification

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SureSelect Hyb 4	None known.
SureSelect Binding Buffer	None known.
SureSelect Wash Buffer 1	None known.
SureSelect Wash Buffer 2	None known.
SureSelect Block 2	None known.
SureSelect Hyb 3	None known.
SureSelect RNase Block Block 3	None known.
SureSelect Methyl-Seq Block 3	None known.
SureSelect Indexing Block 1	None known.

**SECTION 3: Composition/information on ingredients**

<b>3.1 Substances</b>	:	Exo(-) Klenow	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
		dATP	Mixture
		SureSelect Methyl-Seq Methylated Adapter	Mixture
		SureSelect Methyl-Seq PCR1 primer F	Mixture
		SureSelect Methyl-Seq PCR Master Mix	Mixture
		SureSelect 8bp Index A01-H02	Mixture
		SureSelect Methyl-Seq PCR1 Primer R	Mixture
		SureSelect Methyl-Seq Indexing Primer Common	Mixture
		SureSelect Hyb 1	Mixture
		SureSelect Hyb 2	Mixture
		SureSelect Hyb 4	Mixture
		SureSelect Binding Buffer	Mixture
		SureSelect Wash Buffer 1	Mixture
		SureSelect Wash Buffer 2	Mixture
		SureSelect Block 2	Mixture
		SureSelect Hyb 3	Mixture
		SureSelect RNase Block	Mixture
		SureSelect Methyl-Seq Block 3	Mixture
		SureSelect Indexing Block 1	Mixture

Product/ingredient name	Identifiers	%	Classification	Type
Exo(-) Klenow Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
10X End Repair Buffer (R*,R*)-1,4-Dimercaptobutane-2,3-diol	EC: 222-468-7 CAS: 3483-12-3	≤3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412	[1]

**SECTION 3: Composition/information on ingredients**

<b>Klenow DNA Polymerase</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
<b>T4 DNA Ligase</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
<b>T4 DNA Polymerase</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
<b>T4 Polynucleotide Kinase</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≤10	Not classified.	[1]
<b>SureSelect Hyb 2</b> edetic acid	EC: 200-449-4 CAS: 60-00-4 Index: 607-429-00-8	≥10 - ≤25	Eye Irrit. 2, H319	[1]
<b>SureSelect RNase Block</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
			<b>See Section 16 for the full text of the H statements declared above.</b>	

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

- Exo(-) Klenow [1] Substance with a workplace exposure limit
- 10X End Repair Buffer [1] Substance classified with a health or environmental hazard
- Klenow DNA Polymerase [1] Substance with a workplace exposure limit
- T4 DNA Ligase [1] Substance with a workplace exposure limit
- T4 DNA Polymerase [1] Substance with a workplace exposure limit
- T4 Polynucleotide Kinase [1] Substance with a workplace exposure limit
- SureSelect Methyl-Seq PCR Master Mix [1] Substance with a workplace exposure limit
- SureSelect Hyb 2 [1] Substance classified with a health or environmental hazard
- SureSelect RNase Block [1] Substance with a workplace exposure limit

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Eye contact</b>	: Exo(-) Klenow	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 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. Get medical attention if irritation occurs.
	Klenow DNA Polymerase	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.
	T4 DNA Ligase	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.
	T4 DNA Polymerase	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.
	T4 Polynucleotide Kinase	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.
	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.
	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 Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 primer F	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 Methyl-Seq PCR Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect 8bp Index A01-H02	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Methyl-Seq PCR1 Primer R	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 Methyl-Seq Indexing Primer Common	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 Hyb 1	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 Hyb 2	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.
	SureSelect Hyb 4	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 Binding 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.
	SureSelect Wash Buffer	Immediately flush eyes with plenty of water, occasionally

**SECTION 4: First aid measures**

1	lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Wash 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.
2	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 Block 2	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 Hyb 3	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 RNase Block	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 Methyl-Seq Block 3	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 Indexing Block 1	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.
<b>Inhalation</b>	
: Exo(-) Klenow	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
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. 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.
Klenow DNA Polymerase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
T4 DNA Ligase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
T4 DNA Polymerase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
T4 Polynucleotide Kinase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
dNTP Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
10X Klenow Polymerase 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.
dATP	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Methylated Adapter	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Methyl-Seq PCR1 primer F	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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SureSelect Methyl-Seq PCR Master Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect 8bp Index A01-H02	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Methyl-Seq PCR1 Primer R	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Indexing Primer Common	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Hyb 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Hyb 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect Hyb 4	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Block 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Hyb 3	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.
SureSelect RNase Block	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Block 3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect Indexing Block 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

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<b>Skin contact</b>	: Exo(-) Klenow	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	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.
	Klenow DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	T4 DNA Ligase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	T4 DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	T4 Polynucleotide Kinase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	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 medical attention if symptoms occur.
	dATP	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Methyl-Seq Methylated Adapter	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Methyl-Seq PCR1 primer F	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Methyl-Seq PCR Master Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect 8bp Index A01-H02	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Methyl-Seq PCR1 Primer R	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Methyl-Seq Indexing Primer Common	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Hyb 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Hyb 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	SureSelect Hyb 4	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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SureSelect Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Block 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Hyb 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Block 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Indexing Block 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

### Ingestion

: Exo(-) Klenow	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10X End Repair Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
5X T4 DNA Ligase Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Klenow DNA Polymerase	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
T4 DNA Ligase	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
T4 DNA Polymerase	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
T4 Polynucleotide Kinase	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
dNTP Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10X Klenow Polymerase Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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dATP	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Methylated Adapter	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq PCR1 primer F	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq PCR Master Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 8bp Index A01-H02	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq PCR1 Primer R	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Indexing Primer Common	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Hyb 1	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Hyb 2	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Hyb 4	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of

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	water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Block 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Hyb 3	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect RNase Block	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Block 3	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Indexing Block 1	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b>Protection of first-aiders</b> :	<b>Exo(-) Klenow</b> No action shall be taken involving any personal risk or without suitable training.
	<b>10X End Repair Buffer</b> No action shall be taken involving any personal risk or without suitable training.
	<b>5X T4 DNA Ligase Buffer</b> No action shall be taken involving any personal risk or without suitable training.
	<b>Klenow DNA Polymerase</b> No action shall be taken involving any personal risk or without suitable training.
	<b>T4 DNA Ligase</b> No action shall be taken involving any personal risk or without suitable training.
	<b>T4 DNA Polymerase</b> No action shall be taken involving any personal risk or without suitable training.
	<b>T4 Polynucleotide Kinase</b> No action shall be taken involving any personal risk or without suitable training.
	<b>dNTP Mix</b> No action shall be taken involving any personal risk or without suitable training.
	<b>10X Klenow Polymerase Buffer</b> No action shall be taken involving any personal risk or without suitable training.
	<b>dATP</b> No action shall be taken involving any personal risk or without suitable training.
	<b>SureSelect Methyl-Seq Methylated Adapter</b> No action shall be taken involving any personal risk or without suitable training.
	<b>SureSelect Methyl-Seq PCR1 primer F</b> No action shall be taken involving any personal risk or without suitable training.
	<b>SureSelect Methyl-Seq PCR Master Mix</b> No action shall be taken involving any personal risk or without suitable training.
	<b>SureSelect 8bp Index A01-H02</b> No action shall be taken involving any personal risk or without suitable training.
	<b>SureSelect Methyl-Seq PCR1 Primer R</b> No action shall be taken involving any personal risk or without suitable training.
	<b>SureSelect Methyl-Seq Indexing Primer Common</b> No action shall be taken involving any personal risk or without suitable training.

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SureSelect Hyb 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb 2	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
SureSelect Hyb 4	No action shall be taken involving any personal risk or without suitable training.
SureSelect Binding Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
SureSelect Block 2	No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb 3	No action shall be taken involving any personal risk or without suitable training.
SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training.
SureSelect Methyl-Seq Block 3	No action shall be taken involving any personal risk or without suitable training.
SureSelect Indexing Block 1	No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Over-exposure signs/symptoms

##### Eye contact

: Exo(-) Klenow	No specific data.
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.
dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.
SureSelect Methyl-Seq PCR1 primer F	No specific data.
SureSelect Methyl-Seq PCR Master Mix	No specific data.
SureSelect 8bp Index A01-H02	No specific data.
SureSelect Methyl-Seq PCR1 Primer R	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	Adverse symptoms may include the following: pain or irritation watering redness
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.

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	SureSelect RNase Block	No specific data.
	SureSelect Methyl-Seq Block 3	No specific data.
	SureSelect Indexing Block 1	No specific data.
<b>Inhalation</b>	: Exo(-) Klenow	No specific data.
	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.
	dATP	No specific data.
	SureSelect Methyl-Seq Methylated Adapter	No specific data.
	SureSelect Methyl-Seq PCR1 primer F	No specific data.
	SureSelect Methyl-Seq PCR Master Mix	No specific data.
	SureSelect 8bp Index A01-H02	No specific data.
	SureSelect Methyl-Seq PCR1 Primer R	No specific data.
	SureSelect Methyl-Seq Indexing Primer Common	No specific data.
	SureSelect Hyb 1	No specific data.
	SureSelect Hyb 2	No specific data.
	SureSelect Hyb 4	No specific data.
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Methyl-Seq Block 3	No specific data.
	SureSelect Indexing Block 1	No specific data.
<b>Skin contact</b>	: Exo(-) Klenow	No specific data.
	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.
	dATP	No specific data.
	SureSelect Methyl-Seq Methylated Adapter	No specific data.
	SureSelect Methyl-Seq PCR1 primer F	No specific data.
	SureSelect Methyl-Seq PCR Master Mix	No specific data.
	SureSelect 8bp Index A01-H02	No specific data.

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SureSelect Methyl-Seq PCR1 Primer R	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	No specific data.
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Methyl-Seq Block 3	No specific data.
SureSelect Indexing Block 1	No specific data.
<b>Ingestion</b> : Exo(-) Klenow	No specific data.
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.
dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.
SureSelect Methyl-Seq PCR1 primer F	No specific data.
SureSelect Methyl-Seq PCR Master Mix	No specific data.
SureSelect 8bp Index A01-H02	No specific data.
SureSelect Methyl-Seq PCR1 Primer R	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	No specific data.
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Methyl-Seq Block 3	No specific data.
SureSelect Indexing Block 1	No specific data.

**4.3 Indication of any immediate medical attention and special treatment needed**

## SECTION 4: First aid measures

<b>Notes to physician</b>	: Exo(-) Klenow	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	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 fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	dATP	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Methyl-Seq Methylated Adapter	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Methyl-Seq PCR1 primer F	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Methyl-Seq PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect 8bp Index A01-H02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Methyl-Seq PCR1 Primer R	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Methyl-Seq Indexing Primer Common	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Hyb 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Hyb 2	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.
	SureSelect Hyb 4	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Binding Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Wash Buffer 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Wash Buffer 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Block 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Hyb 3	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.
	SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Methyl-Seq Block 3	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Indexing Block 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## SECTION 4: First aid measures

<b>Specific treatments</b>	: Exo(-) Klenow	No specific treatment.
	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.
	dATP	No specific treatment.
	SureSelect Methyl-Seq Methylated Adapter	No specific treatment.
	SureSelect Methyl-Seq PCR1 primer F	No specific treatment.
	SureSelect Methyl-Seq PCR Master Mix	No specific treatment.
	SureSelect 8bp Index A01-H02	No specific treatment.
	SureSelect Methyl-Seq PCR1 Primer R	No specific treatment.
	SureSelect Methyl-Seq Indexing Primer Common	No specific treatment.
	SureSelect Hyb 1	No specific treatment.
	SureSelect Hyb 2	No specific treatment.
	SureSelect Hyb 4	No specific treatment.
	SureSelect Binding Buffer	No specific treatment.
	SureSelect Wash Buffer 1	No specific treatment.
	SureSelect Wash Buffer 2	No specific treatment.
	SureSelect Block 2	No specific treatment.
	SureSelect Hyb 3	No specific treatment.
	SureSelect RNase Block	No specific treatment.
	SureSelect Methyl-Seq Block 3	No specific treatment.
	SureSelect Indexing Block 1	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: Exo(-) Klenow	Use an extinguishing agent suitable for the surrounding fire.
	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.
	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.
	dATP	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Methyl-Seq Methylated Adapter	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Methyl-Seq PCR1 primer F	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Methyl-Seq PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect 8bp Index A01-H02	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Methyl-Seq PCR1 Primer R	Use an extinguishing agent suitable for the surrounding fire.

## SECTION 5: Firefighting measures

SureSelect Methyl-Seq Indexing Primer Common	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Hyb 1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Hyb 2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Hyb 4	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Binding Buffer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Wash Buffer 1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Wash Buffer 2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Block 2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Hyb 3	Use an extinguishing agent suitable for the surrounding fire.
SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Methyl-Seq Block 3	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Indexing Block 1	Use an extinguishing agent suitable for the surrounding fire.
Exo(-) Klenow	None known.
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.
dATP	None known.
SureSelect Methyl-Seq Methylated Adapter	None known.
SureSelect Methyl-Seq PCR1 primer F	None known.
SureSelect Methyl-Seq PCR Master Mix	None known.
SureSelect 8bp Index A01-H02	None known.
SureSelect Methyl-Seq PCR1 Primer R	None known.
SureSelect Methyl-Seq Indexing Primer Common	None known.
SureSelect Hyb 1	None known.
SureSelect Hyb 2	None known.
SureSelect Hyb 4	None known.
SureSelect Binding Buffer	None known.
SureSelect Wash Buffer 1	None known.
SureSelect Wash Buffer 2	None known.
SureSelect Block 2	None known.
SureSelect Hyb 3	None known.
SureSelect RNase Block	None known.
SureSelect Methyl-Seq Block 3	None known.
SureSelect Indexing Block 1	None known.

**Unsuitable extinguishing media :**

### 5.2 Special hazards arising from the substance or mixture

## SECTION 5: Firefighting measures

### Hazards from the substance or mixture

: Exo(-) Klenow	In a fire or if heated, a pressure increase will occur and the container may burst.
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.
dATP	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq Methylated Adapter	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq PCR1 primer F	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect 8bp Index A01-H02	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq PCR1 Primer R	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq Indexing Primer Common	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Hyb 1	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Hyb 2	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Hyb 4	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Binding Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Wash Buffer 1	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Wash Buffer 2	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Block 2	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Hyb 3	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq Block 3	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Indexing Block 1	In a fire or if heated, a pressure increase will occur and the container may burst.

### Hazardous combustion products

: Exo(-) Klenow	Decomposition products may include the following materials: carbon dioxide carbon monoxide
10X End Repair Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides

**SECTION 5: Firefighting measures**

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
dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.
SureSelect Methyl-Seq PCR1 primer F	No specific data.
SureSelect Methyl-Seq PCR Master Mix	Decomposition products may include the following materials:  carbon dioxide carbon monoxide
SureSelect 8bp Index A01-H02	No specific data.
SureSelect Methyl-Seq PCR1 Primer R	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Hyb 1	Decomposition products may include the following materials: phosphorus oxides halogenated compounds metal oxide/oxides
SureSelect Hyb 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	Decomposition products may include the following materials:  halogenated compounds metal oxide/oxides
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	Decomposition products may include the following materials:

## SECTION 5: Firefighting measures

	carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds carbonyl halides
SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect Methyl-Seq Block 3	No specific data.
SureSelect Indexing Block 1	No specific data.

### 5.3 Advice for firefighters

#### Special protective actions for fire-fighters

: Exo(-) Klenow	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 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.
dATP	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 Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 primer F	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 Methyl-Seq PCR Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect 8bp Index A01-H02	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Methyl-Seq PCR1 Primer R	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 Methyl-Seq Indexing Primer Common	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.

**SECTION 5: Firefighting measures**

SureSelect Hyb 1	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 Hyb 2	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 Hyb 4	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 Binding 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.
SureSelect Wash Buffer 1	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 Wash Buffer 2	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 Block 2	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 Hyb 3	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 RNase Block	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 Methyl-Seq Block 3	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 Indexing Block 1	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	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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.
dATP	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Methyl-Seq	Fire-fighters should wear appropriate protective equipment

**Special protective equipment for fire-fighters**

## SECTION 5: Firefighting measures

Methylated Adapter	and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Methyl-Seq PCR1 primer F	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Methyl-Seq PCR Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 8bp Index A01-H02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Methyl-Seq PCR1 Primer R	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Methyl-Seq Indexing Primer Common	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Hyb 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Hyb 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Hyb 4	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Binding Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Block 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Hyb 3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Methyl-Seq Block 3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Indexing Block 1	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**

: 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 spilt material. Put on appropriate personal protective equipment.

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 spilt material. Put on appropriate personal protective equipment.

## SECTION 6: Accidental release measures

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 spilt material. 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 spilt material. 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 spilt material. 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 spilt material. Put on appropriate personal protective equipment.
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 spilt material. 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 spilt 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 spilt material. 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 spilt material. Put on appropriate personal protective equipment.
SureSelect Methyl-Seq Methylated Adapter	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Methyl-Seq PCR1 primer F	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Methyl-Seq PCR Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect 8bp Index A01-H02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Methyl-Seq PCR1 Primer R	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate

**SECTION 6: Accidental release measures**

	personal protective equipment.
SureSelect Methyl-Seq Indexing Primer Common	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Hyb 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Hyb 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect Hyb 4	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Binding 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 spilt material. Put on appropriate personal protective equipment.
SureSelect Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Block 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Hyb 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Methyl-Seq Block 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Indexing Block 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

## SECTION 6: Accidental release measures

**For emergency responders**

: Exo(-) Klenow	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
10X End Repair Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
5X T4 DNA Ligase Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Klenow DNA Polymerase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Ligase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Polymerase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 Polynucleotide Kinase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
dNTP Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
10X Klenow Polymerase Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
dATP	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Methyl-Seq Methylated Adapter	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Methyl-Seq PCR1 primer F	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Methyl-Seq PCR Master Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 8bp Index A01-H02	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Methyl-Seq PCR1 Primer R	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Methyl-Seq Indexing Primer Common	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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SureSelect Hyb 1	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 4	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Binding Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 1	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Block 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect RNase Block	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Methyl-Seq Block 3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Indexing Block 1	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

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

## SECTION 6: Accidental release measures

T4 DNA Polymerase	(sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
T4 Polynucleotide Kinase	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
dNTP Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
10X Klenow Polymerase Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
dATP	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Methyl-Seq Methylated Adapter	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Methyl-Seq PCR1 primer F	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Methyl-Seq PCR Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 8bp Index A01-H02	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Methyl-Seq PCR1 Primer R	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Methyl-Seq Indexing Primer Common	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 1	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 4	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Binding Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Wash Buffer 1	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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	(sewers, waterways, soil or air).
SureSelect Wash Buffer 2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Block 2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect RNase Block	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Methyl-Seq Block 3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Indexing Block 1	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

#### Methods for cleaning up : 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.
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 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.

**SECTION 6: Accidental release measures**

	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.
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 Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 primer F	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 Methyl-Seq PCR Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect 8bp Index A01-H02	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Methyl-Seq PCR1 Primer R	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 Methyl-Seq Indexing Primer Common	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 Hyb 1	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 Hyb 2	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 Hyb 4	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 Binding 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.

## SECTION 6: Accidental release measures

SureSelect Wash Buffer 1	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 Wash Buffer 2	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 Block 2	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 Hyb 3	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 RNase Block	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 Methyl-Seq Block 3	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 Indexing Block 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### 6.4 Reference to other sections

- : See Section 1 for emergency contact information.
- See Section 8 for information on appropriate personal protective equipment.
- See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

<b>Protective measures</b>	:	Exo(-) Klenow	Put on appropriate personal protective equipment (see Section 8).
		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).
		Klenow DNA Polymerase	Put on appropriate personal protective equipment (see Section 8).
		T4 DNA Ligase	Put on appropriate personal protective equipment (see Section 8).
		T4 DNA Polymerase	Put on appropriate personal protective equipment (see Section 8).
		T4 Polynucleotide Kinase	Put on appropriate personal protective equipment (see Section 8).
		dNTP Mix	Put on appropriate personal protective equipment (see Section 8).
		10X Klenow Polymerase Buffer	Put on appropriate personal protective equipment (see Section 8).
		dATP	Put on appropriate personal protective equipment (see Section 8).
		SureSelect Methyl-Seq	Put on appropriate personal protective equipment (see Section 8).

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Methylated Adapter	Section 8).
SureSelect Methyl-Seq PCR1 primer F	Put on appropriate personal protective equipment (see Section 8).
SureSelect Methyl-Seq PCR Master Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect 8bp Index A01-H02	Put on appropriate personal protective equipment (see Section 8).
SureSelect Methyl-Seq PCR1 Primer R	Put on appropriate personal protective equipment (see Section 8).
SureSelect Methyl-Seq Indexing Primer Common	Put on appropriate personal protective equipment (see Section 8).
SureSelect Hyb 1	Put on appropriate personal protective equipment (see Section 8).
SureSelect Hyb 2	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
SureSelect Hyb 4	Put on appropriate personal protective equipment (see Section 8).
SureSelect Binding Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).
SureSelect Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).
SureSelect Block 2	Put on appropriate personal protective equipment (see Section 8).
SureSelect Hyb 3	Put on appropriate personal protective equipment (see Section 8).
SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8).
SureSelect Methyl-Seq Block 3	Put on appropriate personal protective equipment (see Section 8).
SureSelect Indexing Block 1	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b> : 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.
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.

## SECTION 7: Handling and storage

	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.
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.
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 Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 primer F	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 Methyl-Seq PCR Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect 8bp Index A01-H02	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Methyl-Seq PCR1 Primer R	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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SureSelect Methyl-Seq Indexing Primer Common	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 Hyb 1	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 Hyb 2	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 Hyb 4	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 Binding 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.
SureSelect Wash Buffer 1	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 Wash Buffer 2	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 Block 2	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 Hyb 3	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 RNase Block	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 Methyl-Seq Block 3	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

## SECTION 7: Handling and storage

SureSelect Indexing  
Block 1

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.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

: Exo(-) Klenow

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

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

Klenow DNA Polymerase

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

T4 DNA Ligase

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

T4 DNA Polymerase

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 7: Handling and storage

	Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
T4 Polynucleotide Kinase	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
dNTP Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
10X Klenow Polymerase 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 unlabelled 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Methyl-Seq Methylated Adapter	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Methyl-Seq PCR1 primer F	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use

## SECTION 7: Handling and storage

	appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Methyl-Seq PCR Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 8bp Index A01-H02	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Methyl-Seq PCR1 Primer R	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Methyl-Seq Indexing Primer Common	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Hyb 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Hyb 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Hyb 4	Store in accordance with local regulations. Store in original

## SECTION 7: Handling and storage

	container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Binding 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Wash Buffer 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Wash Buffer 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Block 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Hyb 3	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect RNase Block	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been

## SECTION 7: Handling and storage

SureSelect Methyl-Seq Block 3	opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Indexing Block 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

#### Recommendations

: Exo(-) Klenow	Industrial applications, Professional applications.
10X End Repair Buffer	Industrial applications, Professional applications.
5X T4 DNA Ligase Buffer	Industrial applications, Professional applications.
Klenow DNA Polymerase	Industrial applications, Professional applications.
T4 DNA Ligase	Industrial applications, Professional applications.
T4 DNA Polymerase	Industrial applications, Professional applications.
T4 Polynucleotide Kinase	Industrial applications, Professional applications.
dNTP Mix	Industrial applications, Professional applications.
10X Klenow Polymerase Buffer	Industrial applications, Professional applications.
dATP	Industrial applications, Professional applications.
SureSelect Methyl-Seq Methylated Adapter	Industrial applications, Professional applications.
SureSelect Methyl-Seq PCR1 primer F	Industrial applications, Professional applications.
SureSelect Methyl-Seq PCR Master Mix	Industrial applications, Professional applications.
SureSelect 8bp Index A01-H02	Industrial applications, Professional applications.
SureSelect Methyl-Seq PCR1 Primer R	Industrial applications, Professional applications.
SureSelect Methyl-Seq Indexing Primer Common	Industrial applications, Professional applications.
SureSelect Hyb 1	Industrial applications, Professional applications.
SureSelect Hyb 2	Industrial applications, Professional applications.
SureSelect Hyb 4	Industrial applications, Professional applications.
SureSelect Binding Buffer	Industrial applications, Professional applications.
SureSelect Wash Buffer 1	Industrial applications, Professional applications.
SureSelect Wash Buffer 2	Industrial applications, Professional applications.
SureSelect Block 2	Industrial applications, Professional applications.
SureSelect Hyb 3	Industrial applications, Professional applications.
SureSelect RNase Block	Industrial applications, Professional applications.

## SECTION 7: Handling and storage

	SureSelect Methyl-Seq Block 3	Industrial applications, Professional applications.
	SureSelect Indexing Block 1	Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	<b>Exo(-) Klenow</b>	Not available.
	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.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq PCR1 primer F	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect 8bp Index A01-H02	Not available.
	SureSelect Methyl-Seq PCR1 Primer R	Not available.
	SureSelect Methyl-Seq Indexing Primer Common	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
	SureSelect Indexing Block 1	Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
<b>Exo(-) Klenow</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>Klenow DNA Polymerase</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>T4 DNA Ligase</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>T4 DNA Polymerase</b>	

## SECTION 8: Exposure controls/personal protection

Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>T4 Polynucleotide Kinase</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>SureSelect RNase Block</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist

### Biological exposure indices

No exposure indices known.

### Recommended monitoring procedures

: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
<b>Exo(-) Klenow</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic
<b>Klenow DNA Polymerase</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic
<b>T4 DNA Ligase</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic
<b>T4 DNA Polymerase</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic
<b>T4 Polynucleotide Kinase</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic

## SECTION 8: Exposure controls/personal protection

<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic
<b>SureSelect Hyb 2</b> edetic acid	DNEL	Long term Inhalation	0.6 mg/m <sup>3</sup>	General population	Local
	DNEL	Short term Inhalation	1.2 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	1.5 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Inhalation	1.5 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Short term Inhalation	3 mg/m <sup>3</sup>	Workers	Local
	DNEL	Short term Inhalation	3 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Oral	25 mg/kg bw/day	General population	Systemic
	<b>SureSelect RNase Block</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population
DNEL		Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
DNEL		Long term Oral	229 mg/kg bw/day	General population	Systemic

### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

## SECTION 8: Exposure controls/personal protection

- 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.
- 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.

## SECTION 9: Physical and chemical properties

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

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	:	Exo(-) Klenow	Liquid.
		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.
		10X Klenow Polymerase Buffer	Liquid.
		dATP	Liquid.
		SureSelect Methyl-Seq Methylated Adapter	Liquid.
		SureSelect Methyl-Seq PCR1 primer F	Liquid.
		SureSelect Methyl-Seq PCR Master Mix	Liquid.
		SureSelect 8bp Index A01-H02	Liquid.
		SureSelect Methyl-Seq PCR1 Primer R	Liquid.
		SureSelect Methyl-Seq Indexing Primer Common	Liquid.
		SureSelect Hyb 1	Liquid.
		SureSelect Hyb 2	Liquid.
		SureSelect Hyb 4	Liquid.
		SureSelect Binding Buffer	Liquid.
		SureSelect Wash Buffer 1	Liquid.
		SureSelect Wash Buffer 2	Liquid.
		SureSelect Block 2	Liquid.
		SureSelect Hyb 3	Liquid.
		SureSelect RNase Block	Liquid.
		SureSelect Methyl-Seq Block 3	Liquid.
		SureSelect Indexing Block 1	Liquid.

**SECTION 9: Physical and chemical properties**

<b>Colour</b>	:	Exo(-) Klenow	Not available.	
		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.	
		dATP	Not available.	
		SureSelect Methyl-Seq Methylated Adapter	Not available.	
		SureSelect Methyl-Seq PCR1 primer F	Not available.	
		SureSelect Methyl-Seq PCR Master Mix	Not available.	
		SureSelect 8bp Index A01-H02	Not available.	
		SureSelect Methyl-Seq PCR1 Primer R	Not available.	
		SureSelect Methyl-Seq Indexing Primer Common	Not available.	
		SureSelect Hyb 1	Not available.	
		SureSelect Hyb 2	Not available.	
		SureSelect Hyb 4	Not available.	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	Not available.	
		SureSelect Wash Buffer 2	Not available.	
		SureSelect Block 2	Colourless.	
		SureSelect Hyb 3	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect Methyl-Seq Block 3	Not available.	
		SureSelect Indexing Block 1	Not available.	
	<b>Odour</b>	:	Exo(-) Klenow	Not available.
			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.	
		dATP	Not available.	
		SureSelect Methyl-Seq Methylated Adapter	Not available.	
		SureSelect Methyl-Seq PCR1 primer F	Not available.	
		SureSelect Methyl-Seq PCR Master Mix	Not available.	
		SureSelect 8bp Index A01-H02	Not available.	
		SureSelect Methyl-Seq PCR1 Primer R	Not available.	
		SureSelect Methyl-Seq Indexing Primer Common	Not available.	
		SureSelect Hyb 1	Not available.	
		SureSelect Hyb 2	Not available.	

## SECTION 9: Physical and chemical properties

	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect Block 2	Odourless.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
	SureSelect Indexing Block 1	Not available.
<b>Odour threshold</b>	: Exo(-) Klenow	Not available.
	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.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq PCR1 primer F	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect 8bp Index A01-H02	Not available.
	SureSelect Methyl-Seq PCR1 Primer R	Not available.
	SureSelect Methyl-Seq Indexing Primer Common	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
	SureSelect Indexing Block 1	Not available.
<b>Melting point/freezing point</b>	: Exo(-) Klenow	Not available.
	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
	10X Klenow Polymerase Buffer	Not available.
	dATP	0°C

**SECTION 9: Physical and chemical properties**

SureSelect Methyl-Seq	0°C
Methylated Adapter	
SureSelect Methyl-Seq	0°C
PCR1 primer F	
SureSelect Methyl-Seq	0°C
PCR Master Mix	
SureSelect 8bp Index	0°C
A01-H02	
SureSelect Methyl-Seq	0°C
PCR1 Primer R	
SureSelect Methyl-Seq	0°C
Indexing Primer Common	
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Not available.
SureSelect Hyb 4	0°C
SureSelect Binding	Not available.
Buffer	
SureSelect Wash Buffer	0°C
1	
SureSelect Wash Buffer	0°C
2	
SureSelect Block 2	0°C
SureSelect Hyb 3	0°C
SureSelect RNase Block	Not available.
SureSelect Methyl-Seq	0°C
Block 3	
SureSelect Indexing	0°C
Block 1	
Exo(-) Klenow	Not available.
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
10X Klenow Polymerase	Not available.
Buffer	
dATP	100°C
SureSelect Methyl-Seq	100°C
Methylated Adapter	
SureSelect Methyl-Seq	100°C
PCR1 primer F	
SureSelect Methyl-Seq	100°C
PCR Master Mix	
SureSelect 8bp Index	100°C
A01-H02	
SureSelect Methyl-Seq	100°C
PCR1 Primer R	
SureSelect Methyl-Seq	100°C
Indexing Primer Common	
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Not available.
SureSelect Hyb 4	100°C
SureSelect Binding	Not available.
Buffer	
SureSelect Wash Buffer	100°C
1	
SureSelect Wash Buffer	100°C
2	
SureSelect Block 2	100°C
SureSelect Hyb 3	100°C
SureSelect RNase Block	Not available.
SureSelect Methyl-Seq	100°C

**Initial boiling point and boiling range**

:

**SECTION 9: Physical and chemical properties**

	Block 3	
	SureSelect Indexing	100°C
	Block 1	
<b>Flammability</b>	: Exo(-) Klenow	Not applicable.
	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	Not applicable.
	Buffer	
	dATP	Not applicable.
	SureSelect Methyl-Seq	Not applicable.
	Methylated Adapter	
	SureSelect Methyl-Seq	Not applicable.
	PCR1 primer F	
	SureSelect Methyl-Seq	Not applicable.
	PCR Master Mix	
	SureSelect 8bp Index	Not applicable.
	A01-H02	
	SureSelect Methyl-Seq	Not applicable.
	PCR1 Primer R	
	SureSelect Methyl-Seq	Not applicable.
	Indexing Primer Common	
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	Not applicable.
	SureSelect Hyb 4	Not applicable.
	SureSelect Binding	Not applicable.
	Buffer	
	SureSelect Wash Buffer	Not applicable.
	1	
	SureSelect Wash Buffer	Not applicable.
	2	
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Methyl-Seq	Not applicable.
	Block 3	
	SureSelect Indexing	Not applicable.
	Block 1	
<b>Upper/lower flammability or explosive limits</b>	: Exo(-) Klenow	Not available.
	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	Not available.
	Buffer	
	dATP	Not available.
	SureSelect Methyl-Seq	Not available.
	Methylated Adapter	
	SureSelect Methyl-Seq	Not available.
	PCR1 primer F	
	SureSelect Methyl-Seq	Not available.
	PCR Master Mix	
	SureSelect 8bp Index	Not available.
	A01-H02	
	SureSelect Methyl-Seq	Not available.
	PCR1 Primer R	
	SureSelect Methyl-Seq	Not available.

**SECTION 9: Physical and chemical properties**

Indexing Primer Common  
 SureSelect Hyb 1 Not available.  
 SureSelect Hyb 2 Not available.  
 SureSelect Hyb 4 Not available.  
 SureSelect Binding Not available.  
 Buffer  
 SureSelect Wash Buffer 1 Not available.  
 SureSelect Wash Buffer 2 Not available.  
 SureSelect Block 2 Not available.  
 SureSelect Hyb 3 Not available.  
 SureSelect RNase Block Not available.  
 SureSelect Methyl-Seq Block 3 Not available.  
 SureSelect Indexing Block 1 Not available.

**Flash point**

Ingredient name	Closed cup		Open cup	
	°C	Method	°C	Method
<b>Exo(-) Klenow</b>				
glycerol	-	-	177	-
<b>10X End Repair Buffer</b>				
(R*,R*)-1,4-dimercaptobutane-2,3-diol	>110	-	-	-
<b>Klenow DNA Polymerase</b>				
glycerol	-	-	177	-
<b>T4 DNA Ligase</b>				
glycerol	-	-	177	-
<b>T4 DNA Polymerase</b>				
glycerol	-	-	177	-
<b>T4 Polynucleotide Kinase</b>				
glycerol	-	-	177	-
<b>SureSelect Methyl-Seq PCR Master Mix</b>				
glycerol	-	-	177	-
<b>SureSelect Hyb 2</b>				
edetic acid	>100	DIN 51758	-	-
<b>SureSelect RNase Block</b>				
glycerol	-	-	177	-

**SECTION 9: Physical and chemical properties**

Auto-ignition temperature

Ingredient name	°C	Method
<b>Exo(-) Klenow</b>		
glycerol	370	-
<b>Klenow DNA Polymerase</b>		
glycerol	370	-
<b>T4 DNA Ligase</b>		
glycerol	370	-
<b>T4 DNA Polymerase</b>		
glycerol	370	-
<b>T4 Polynucleotide Kinase</b>		
glycerol	370	-
<b>SureSelect Methyl-Seq PCR Master Mix</b>		
glycerol	370	-
<b>SureSelect Hyb 2</b>		
edetic acid	>400	VDI 2263
<b>SureSelect RNase Block</b>		
glycerol	370	-

Decomposition temperature

<b>Exo(-) Klenow</b>	Not available.
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.
dATP	Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq PCR1 primer F	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect 8bp Index A01-H02	Not available.
SureSelect Methyl-Seq PCR1 Primer R	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Not available.
SureSelect Hyb 4	Not available.

## SECTION 9: Physical and chemical properties

	SureSelect Binding Buffer	Not available.	
	SureSelect Wash Buffer 1	Not available.	
	SureSelect Wash Buffer 2	Not available.	
	SureSelect Block 2	Not available.	
	SureSelect Hyb 3	Not available.	
	SureSelect RNase Block	Not available.	
	SureSelect Methyl-Seq Block 3	Not available.	
	SureSelect Indexing Block 1	Not available.	
<b>pH</b>	: Exo(-) Klenow	7.5 to 7.5	
	10X End Repair Buffer	7 to 8	
	5X T4 DNA Ligase Buffer	7 to 8	
	Klenow DNA Polymerase	6.5 to 7.5	
	T4 DNA Ligase	7 to 8	
	T4 DNA Polymerase	6 to 7	
	T4 Polynucleotide Kinase	6.9 to 7.9	
	dNTP Mix	7.5	
	10X Klenow Polymerase Buffer	7 to 8	
	dATP	7 to 8	
	SureSelect Methyl-Seq Methylated Adapter	7.5	
	SureSelect Methyl-Seq PCR1 primer F	7.5	
	SureSelect Methyl-Seq PCR Master Mix	8.8	
	SureSelect 8bp Index A01-H02	7.5	
	SureSelect Methyl-Seq PCR1 Primer R	7.5	
	SureSelect Methyl-Seq Indexing Primer Common	7.5	
	SureSelect Hyb 1	7.4	
	SureSelect Hyb 2	8	
	SureSelect Hyb 4	Not available.	
	SureSelect Binding Buffer	7.5	
	SureSelect Wash Buffer 1	7	
	SureSelect Wash Buffer 2	7	
	SureSelect Block 2	Not available.	
	SureSelect Hyb 3	7	
	SureSelect RNase Block	7.6	
	SureSelect Methyl-Seq Block 3	Not available.	
	SureSelect Indexing Block 1	Not available.	
	<b>Viscosity</b>	: Exo(-) Klenow	Not available.
		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.	
dATP		Not available.	
SureSelect Methyl-Seq		Not available.	

**SECTION 9: Physical and chemical properties**

Methylated Adapter	
SureSelect Methyl-Seq PCR1 primer F	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect 8bp Index A01-H02	Not available.
SureSelect Methyl-Seq PCR1 Primer R	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Not available.
SureSelect Hyb 4	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect Block 2	Not available.
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Not available.
SureSelect Methyl-Seq Block 3	Not available.
SureSelect Indexing Block 1	Not available.

**Solubility(ies)**

Media	Result
<b>Exo(-) Klenow</b> water	Soluble
<b>10X End Repair Buffer</b> water	Soluble
<b>5X T4 DNA Ligase Buffer</b> water	Soluble
<b>Klenow DNA Polymerase</b> water	Soluble
<b>T4 DNA Ligase</b> water	Soluble
<b>T4 DNA Polymerase</b> water	Soluble
<b>T4 Polynucleotide Kinase</b> water	Soluble
<b>dNTP Mix</b> water	Soluble
<b>10X Klenow Polymerase Buffer</b> water	Soluble
<b>dATP</b> water	Soluble
<b>SureSelect Methyl-Seq Methylated Adapter</b> water	Soluble
<b>SureSelect Methyl-Seq PCR1 primer F</b> water	Soluble
<b>SureSelect Methyl-Seq PCR Master Mix</b> water	Soluble
<b>SureSelect 8bp Index A01-H02</b> water	Soluble
<b>SureSelect Methyl-Seq PCR1 Primer R</b> water	Soluble
<b>SureSelect Methyl-Seq Indexing Primer Common</b> water	Soluble
<b>SureSelect Hyb 1</b>	

**SECTION 9: Physical and chemical properties**

water	Soluble
<b>SureSelect Hyb 2</b>	
water	Soluble
<b>SureSelect Hyb 4</b>	
water	Soluble
<b>SureSelect Binding Buffer</b>	
water	Soluble
<b>SureSelect Wash Buffer 1</b>	
water	Soluble
<b>SureSelect Wash Buffer 2</b>	
water	Soluble
<b>SureSelect Block 2</b>	
water	Soluble
<b>SureSelect Hyb 3</b>	
water	Soluble
<b>SureSelect RNase Block</b>	
water	Soluble
<b>SureSelect Methyl-Seq Block 3</b>	
water	Soluble
<b>SureSelect Indexing Block 1</b>	
water	Soluble

**Partition coefficient: n-octanol/water**

Exo(-) Klenow	Not applicable.
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.
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq PCR1 primer F	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect 8bp Index A01-H02	Not applicable.
SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.
SureSelect Indexing Block 1	Not applicable.

**Vapour pressure** :

**SECTION 9: Physical and chemical properties**

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>Exo(-) Klenow</b>						
water	17.5	2.3	-	92.258	12.3	-
glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>10X End Repair Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>5X T4 DNA Ligase Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>Klenow DNA Polymerase</b>						
water	17.5	2.3	-	92.258	12.3	-
glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>T4 DNA Ligase</b>						
water	17.5	2.3	-	92.258	12.3	-
glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>T4 DNA Polymerase</b>						
water	17.5	2.3	-	92.258	12.3	-
glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>T4 Polynucleotide Kinase</b>						
water	17.5	2.3	-	92.258	12.3	-
glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>dNTP Mix</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>10X Klenow Polymerase Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>dATP</b>						

**SECTION 9: Physical and chemical properties**

water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Methyl-Seq Methylated Adapter</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Methyl-Seq PCR1 primer F</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Methyl-Seq PCR Master Mix</b>						
water	17.5	2.3	-	92.258	12.3	-
glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>SureSelect 8bp Index A01-H02</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Methyl-Seq PCR1 Primer R</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Methyl-Seq Indexing Primer Common</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Hyb 1</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Hyb 2</b>						
water	17.5	2.3	-	92.258	12.3	-
edetic acid	0	0	-	-	-	-
<b>SureSelect Hyb 4</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect Binding Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-

**SECTION 9: Physical and chemical properties**

<b>SureSelect Wash Buffer 1</b>							
water	17.5	2.3	-		92.258	12.3	-
<b>SureSelect Wash Buffer 2</b>							
water	17.5	2.3	-		92.258	12.3	-
<b>SureSelect Block 2</b>							
water	17.5	2.3	-		92.258	12.3	-
<b>SureSelect Hyb 3</b>							
water	17.5	2.3	-		92.258	12.3	-
<b>SureSelect RNase Block</b>							
water	17.5	2.3	-		92.258	12.3	-
glycerol	0.000075	0.00001	-		0.0025	0.00033	-
<b>SureSelect Methyl-Seq Block 3</b>							
water	17.5	2.3	-		92.258	12.3	-
<b>SureSelect Indexing Block 1</b>							
water	17.5	2.3	-		92.258	12.3	-

**Evaporation rate** :

Exo(-) Klenow	Not available.
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.
dATP	Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq PCR1 primer F	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect 8bp Index A01-H02	Not available.
SureSelect Methyl-Seq PCR1 Primer R	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Hyb 1	Not available.

**SECTION 9: Physical and chemical properties**

	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
	SureSelect Indexing Block 1	Not available.
<b>Relative density</b>	: Exo(-) Klenow	Not available.
	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.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq PCR1 primer F	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect 8bp Index A01-H02	Not available.
	SureSelect Methyl-Seq PCR1 Primer R	Not available.
	SureSelect Methyl-Seq Indexing Primer Common	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
	SureSelect Indexing Block 1	Not available.
<b>Vapour density</b>	: Exo(-) Klenow	Not available.
	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.

**SECTION 9: Physical and chemical properties**

dATP	Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq PCR1 primer F	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect 8bp Index A01-H02	Not available.
SureSelect Methyl-Seq PCR1 Primer R	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Not available.
SureSelect Hyb 4	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect Block 2	Not available.
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Not available.
SureSelect Methyl-Seq Block 3	Not available.
SureSelect Indexing Block 1	Not available.
Exo(-) Klenow	Not available.
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.
dATP	Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq PCR1 primer F	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect 8bp Index A01-H02	Not available.
SureSelect Methyl-Seq PCR1 Primer R	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Not available.
SureSelect Hyb 4	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect Block 2	Not available.
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Not available.

**Explosive properties**

:

## SECTION 9: Physical and chemical properties

	SureSelect Methyl-Seq Block 3	Not available.
	SureSelect Indexing Block 1	Not available.
<b>Oxidising properties</b>	: Exo(-) Klenow	Not available.
	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.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq PCR1 primer F	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect 8bp Index A01-H02	Not available.
	SureSelect Methyl-Seq PCR1 Primer R	Not available.
	SureSelect Methyl-Seq Indexing Primer Common	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
	SureSelect Indexing Block 1	Not available.

### Particle characteristics

<b>Median particle size</b>	: Exo(-) Klenow	Not applicable.
	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.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq PCR1 primer F	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect 8bp Index A01-H02	Not applicable.

## SECTION 9: Physical and chemical properties

SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.
SureSelect Indexing Block 1	Not applicable.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

: Exo(-) Klenow	No specific test data related to reactivity available for this product or its ingredients.
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.
dATP	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Methyl-Seq Methylated Adapter	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Methyl-Seq PCR1 primer F	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Methyl-Seq PCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
SureSelect 8bp Index A01-H02	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Methyl-Seq PCR1 Primer R	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Methyl-Seq Indexing Primer Common	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Hyb 1	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Hyb 2	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Hyb 4	No specific test data related to reactivity available for this product or its ingredients.

## SECTION 10: Stability and reactivity

SureSelect Binding Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Wash Buffer 1	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Wash Buffer 2	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Block 2	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Hyb 3	No specific test data related to reactivity available for this product or its ingredients.
SureSelect RNase Block	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Methyl-Seq Block 3	No specific test data related to reactivity available for this product or its ingredients.
SureSelect Indexing Block 1	No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

Exo(-) Klenow	The product is stable.
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.
dATP	The product is stable.
SureSelect Methyl-Seq Methylated Adapter	The product is stable.
SureSelect Methyl-Seq PCR1 primer F	The product is stable.
SureSelect Methyl-Seq PCR Master Mix	The product is stable.
SureSelect 8bp Index A01-H02	The product is stable.
SureSelect Methyl-Seq PCR1 Primer R	The product is stable.
SureSelect Methyl-Seq Indexing Primer Common	The product is stable.
SureSelect Hyb 1	The product is stable.
SureSelect Hyb 2	The product is stable.
SureSelect Hyb 4	The product is stable.
SureSelect Binding Buffer	The product is stable.
SureSelect Wash Buffer 1	The product is stable.
SureSelect Wash Buffer 2	The product is stable.
SureSelect Block 2	The product is stable.
SureSelect Hyb 3	The product is stable.
SureSelect RNase Block	The product is stable.
SureSelect Methyl-Seq Block 3	The product is stable.
SureSelect Indexing Block 1	The product is stable.

## SECTION 10: Stability and reactivity

### 10.3 Possibility of hazardous reactions

: Exo(-) Klenow	Under normal conditions of storage and use, hazardous reactions will not occur.
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.
dATP	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq Methylated Adapter	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq PCR1 primer F	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 8bp Index A01-H02	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq PCR1 Primer R	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq Indexing Primer Common	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Hyb 1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Hyb 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Hyb 4	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Block 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Hyb 3	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq Block 3	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Indexing Block 1	Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

: Exo(-) Klenow	No specific data.
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	No specific data.

## SECTION 10: Stability and reactivity

Buffer	
dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.
SureSelect Methyl-Seq PCR1 primer F	No specific data.
SureSelect Methyl-Seq PCR Master Mix	No specific data.
SureSelect 8bp Index A01-H02	No specific data.
SureSelect Methyl-Seq PCR1 Primer R	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	No specific data.
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Methyl-Seq Block 3	No specific data.
SureSelect Indexing Block 1	No specific data.

### 10.5 Incompatible materials

Exo(-) Klenow	May react or be incompatible with oxidising materials.
10X End Repair Buffer	May react or be incompatible with oxidising materials.
5X T4 DNA Ligase Buffer	May react or be incompatible with oxidising materials.
Klenow DNA Polymerase	May react or be incompatible with oxidising materials.
T4 DNA Ligase	May react or be incompatible with oxidising materials.
T4 DNA Polymerase	May react or be incompatible with oxidising materials.
T4 Polynucleotide Kinase	May react or be incompatible with oxidising materials.
dNTP Mix	May react or be incompatible with oxidising materials.
10X Klenow Polymerase Buffer	May react or be incompatible with oxidising materials.
dATP	May react or be incompatible with oxidising materials.
SureSelect Methyl-Seq Methylated Adapter	May react or be incompatible with oxidising materials.
SureSelect Methyl-Seq PCR1 primer F	May react or be incompatible with oxidising materials.
SureSelect Methyl-Seq PCR Master Mix	May react or be incompatible with oxidising materials.
SureSelect 8bp Index A01-H02	May react or be incompatible with oxidising materials.
SureSelect Methyl-Seq PCR1 Primer R	May react or be incompatible with oxidising materials.
SureSelect Methyl-Seq Indexing Primer Common	May react or be incompatible with oxidising materials.
SureSelect Hyb 1	May react or be incompatible with oxidising materials.
SureSelect Hyb 2	May react or be incompatible with oxidising materials.
SureSelect Hyb 4	May react or be incompatible with oxidising materials.
SureSelect Binding Buffer	May react or be incompatible with oxidising materials.
SureSelect Wash Buffer 1	May react or be incompatible with oxidising materials.
SureSelect Wash Buffer 2	May react or be incompatible with oxidising materials.

## SECTION 10: Stability and reactivity

SureSelect Block 2	May react or be incompatible with oxidising materials.
SureSelect Hyb 3	May react or be incompatible with oxidising materials.
SureSelect RNase Block	May react or be incompatible with oxidising materials.
SureSelect Methyl-Seq Block 3	May react or be incompatible with oxidising materials.
SureSelect Indexing Block 1	May react or be incompatible with oxidising materials.

### 10.6 Hazardous decomposition products

Exo(-) Klenow	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
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.
dATP	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq Methylated Adapter	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq PCR1 primer F	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 8bp Index A01-H02	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq PCR1 Primer R	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq Indexing Primer Common	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb 4	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Block 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb 3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq Block 3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Indexing Block 1	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
<b>Exo(-) Klenow</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>Klenow DNA Polymerase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>T4 DNA Ligase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>T4 DNA Polymerase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>T4 Polynucleotide Kinase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>SureSelect RNase Block</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>Exo(-) Klenow</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>10X End Repair Buffer</b> 10X End Repair Buffer (R*,R*)-1,4-Dimercaptobutane-2,3-diol	32467.5 500	N/A N/A	N/A N/A	N/A N/A	N/A N/A
<b>Klenow DNA Polymerase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>T4 DNA Ligase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>T4 DNA Polymerase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>T4 Polynucleotide Kinase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>SureSelect RNase Block</b> Glycerol	12600	N/A	N/A	N/A	N/A

#### Irritation/Corrosion

## SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>Exo(-) Klenow</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>Klenow DNA Polymerase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>T4 DNA Ligase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>T4 DNA Polymerase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>T4 Polynucleotide Kinase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>SureSelect RNase Block</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

**Conclusion/Summary** : Not available.

**Sensitiser**

**Conclusion/Summary** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Reproductive toxicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Specific target organ toxicity (single exposure)**

## SECTION 11: Toxicological information

Product/ingredient name	Category	Route of exposure	Target organs
10X End Repair Buffer (R*,R*)-1,4-Dimercaptobutane-2,3-diol	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

: Exo(-) Klenow	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
10X End Repair Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
5X T4 DNA Ligase Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Klenow DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
T4 DNA Ligase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
T4 DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
T4 Polynucleotide Kinase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
dNTP Mix	Not available.
10X Klenow Polymerase Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
dATP	Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq PCR1 primer F	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect 8bp Index A01-H02	Not available.
SureSelect Methyl-Seq PCR1 Primer R	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect Hyb 4	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect Block 2	Not available.
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect Methyl-Seq Block 3	Not available.
SureSelect Indexing Block 1	Not available.

### Potential acute health effects

#### Inhalation

: Exo(-) Klenow	No known significant effects or critical hazards.
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.
dATP	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
<b>Ingestion</b>	Exo(-) Klenow	No known significant effects or critical hazards.
	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.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Methyl-Seq	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

	Block 3	
	SureSelect Indexing	No known significant effects or critical hazards.
	Block 1	
<b>Skin contact</b>	: Exo(-) Klenow	No known significant effects or critical hazards.
	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.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Methyl-Seq	No known significant effects or critical hazards.
	Block 3	
	SureSelect Indexing	No known significant effects or critical hazards.
	Block 1	
<b>Eye contact</b>	: Exo(-) Klenow	No known significant effects or critical hazards.
	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.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
SureSelect Hyb 1	No known significant effects or critical hazards.
SureSelect Hyb 2	Causes serious eye irritation.
SureSelect Hyb 4	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Hyb 3	No known significant effects or critical hazards.
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
SureSelect Indexing Block 1	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation</b>	:	Exo(-) Klenow	No specific data.
		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.
		dATP	No specific data.
		SureSelect Methyl-Seq Methylated Adapter	No specific data.
		SureSelect Methyl-Seq PCR1 primer F	No specific data.
		SureSelect Methyl-Seq PCR Master Mix	No specific data.
		SureSelect 8bp Index A01-H02	No specific data.
		SureSelect Methyl-Seq PCR1 Primer R	No specific data.
		SureSelect Methyl-Seq Indexing Primer Common	No specific data.
		SureSelect Hyb 1	No specific data.
		SureSelect Hyb 2	No specific data.
		SureSelect Hyb 4	No specific data.
		SureSelect Binding Buffer	No specific data.
		SureSelect Wash Buffer 1	No specific data.
		SureSelect Wash Buffer 2	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect Methyl-Seq Block 3	No specific data.
		SureSelect Indexing Block 1	No specific data.

## SECTION 11: Toxicological information

<b>Ingestion</b>	:	Exo(-) Klenow	No specific data.	
		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.	
		dATP	No specific data.	
		SureSelect Methyl-Seq Methylated Adapter	No specific data.	
		SureSelect Methyl-Seq PCR1 primer F	No specific data.	
		SureSelect Methyl-Seq PCR Master Mix	No specific data.	
		SureSelect 8bp Index A01-H02	No specific data.	
		SureSelect Methyl-Seq PCR1 Primer R	No specific data.	
		SureSelect Methyl-Seq Indexing Primer Common	No specific data.	
		SureSelect Hyb 1	No specific data.	
		SureSelect Hyb 2	No specific data.	
		SureSelect Hyb 4	No specific data.	
		SureSelect Binding Buffer	No specific data.	
		SureSelect Wash Buffer 1	No specific data.	
		SureSelect Wash Buffer 2	No specific data.	
		SureSelect Block 2	No specific data.	
		SureSelect Hyb 3	No specific data.	
		SureSelect RNase Block	No specific data.	
		SureSelect Methyl-Seq Block 3	No specific data.	
		SureSelect Indexing Block 1	No specific data.	
	<b>Skin contact</b>	:	Exo(-) Klenow	No specific data.
			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.	
		dATP	No specific data.	
		SureSelect Methyl-Seq Methylated Adapter	No specific data.	
		SureSelect Methyl-Seq PCR1 primer F	No specific data.	
		SureSelect Methyl-Seq PCR Master Mix	No specific data.	
		SureSelect 8bp Index A01-H02	No specific data.	
		SureSelect Methyl-Seq PCR1 Primer R	No specific data.	
		SureSelect Methyl-Seq Indexing Primer Common	No specific data.	
		SureSelect Hyb 1	No specific data.	

## SECTION 11: Toxicological information

### Eye contact

SureSelect Hyb 2	No specific data.
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Methyl-Seq Block 3	No specific data.
SureSelect Indexing Block 1	No specific data.
Exo(-) Klenow	No specific data.
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.
dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.
SureSelect Methyl-Seq PCR1 primer F	No specific data.
SureSelect Methyl-Seq PCR Master Mix	No specific data.
SureSelect 8bp Index A01-H02	No specific data.
SureSelect Methyl-Seq PCR1 Primer R	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	Adverse symptoms may include the following: pain or irritation watering redness
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Methyl-Seq Block 3	No specific data.
SureSelect Indexing Block 1	No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

## SECTION 11: Toxicological information

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

**Conclusion/Summary** : Not available.

<b>General</b>	:	Exo(-) Klenow	No known significant effects or critical hazards.
		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.
		dATP	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
		SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
		SureSelect Hyb 1	No known significant effects or critical hazards.
		SureSelect Hyb 2	No known significant effects or critical hazards.
		SureSelect Hyb 4	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
		SureSelect Indexing Block 1	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	:	Exo(-) Klenow	No known significant effects or critical hazards.
		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.
		dATP	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
		SureSelect Methyl-Seq	No known significant effects or critical hazards.

**SECTION 11: Toxicological information**

	PCR Master Mix	
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Exo(-) Klenow	No known significant effects or critical hazards.
	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.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

<b>Reproductive toxicity</b>	: <b>Exo(-)</b> Klenow	No known significant effects or critical hazards.
	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.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect 8bp Index A01-H02	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
	SureSelect Indexing Block 1	No known significant effects or critical hazards.
<b>Other information</b>	: <b>Exo(-)</b> Klenow	Adverse symptoms may include the following: May cause skin sensitisation.
	10X End Repair Buffer	Adverse symptoms may include the following: May cause skin sensitisation.
	Klenow DNA Polymerase	Adverse symptoms may include the following: May cause skin sensitisation.
	10X Klenow Polymerase Buffer	Adverse symptoms may include the following: May cause skin sensitisation.
	SureSelect RNase Block	Adverse symptoms may include the following: May cause skin sensitisation.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>Exo(-)</b> Klenow Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - <i>Oncorhynchus mykiss</i>	96 hours
<b>10X End Repair Buffer</b> (R*,R*) -1,4-Dimercaptobutane-2,3-diol	Acute LC50 27000 µg/l Fresh water	Daphnia - Water flea - <i>Daphnia magna</i>	48 hours

## SECTION 12: Ecological information

<b>Klenow DNA Polymerase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - <i>Oncorhynchus mykiss</i>	96 hours
<b>T4 DNA Ligase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - <i>Oncorhynchus mykiss</i>	96 hours
<b>T4 DNA Polymerase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - <i>Oncorhynchus mykiss</i>	96 hours
<b>T4 Polynucleotide Kinase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - <i>Oncorhynchus mykiss</i>	96 hours
<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - <i>Oncorhynchus mykiss</i>	96 hours
<b>SureSelect Hyb 2</b> edetic acid	Acute EC50 113000 µg/l Fresh water	Daphnia - Water flea - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 41000 µg/l Fresh water	Fish - Bluegill - <i>Lepomis macrochirus</i>	96 hours
<b>SureSelect RNase Block</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - <i>Oncorhynchus mykiss</i>	96 hours

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

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

## SECTION 12: Ecological information

<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	Closed Bottle Test	93 % - 30 days	-	-
<b>SureSelect RNase Block</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

**Conclusion/Summary** : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>SureSelect Hyb 2</b> edetetic acid	-	-	Not readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>Exo(-) Klenow</b> Glycerol	-1.76	-	Low
<b>Klenow DNA Polymerase</b> Glycerol	-1.76	-	Low
<b>T4 DNA Ligase</b> Glycerol	-1.76	-	Low
<b>T4 DNA Polymerase</b> Glycerol	-1.76	-	Low
<b>T4 Polynucleotide Kinase</b> Glycerol	-1.76	-	Low
<b>SureSelect Methyl-Seq PCR Master Mix</b> Glycerol	-1.76	-	Low
<b>SureSelect Hyb 2</b> edetetic acid	-3.86	1.8	Low
<b>SureSelect RNase Block</b> Glycerol	-1.76	-	Low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

### Additional information

**14.6 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.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture UK (GB)/REACH

#### Annex XIV - List of substances subject to authorisation

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

#### Ozone depleting substances

## SECTION 15: Regulatory information

Not listed.

### Prior Informed Consent (PIC)

Not listed.

### Persistent Organic Pollutants

Not listed.

### Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product / Ingredient name	Identifiers	Status
SureSelect Hyb 2 SureSelect Hyb 2	-	3

<b>Label</b>	:	Exo(-) Klenow	Not applicable.
		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.
		dATP	Not applicable.
		SureSelect Methyl-Seq Methylated Adapter	Not applicable.
		SureSelect Methyl-Seq PCR1 primer F	Not applicable.
		SureSelect Methyl-Seq PCR Master Mix	Not applicable.
		SureSelect 8bp Index A01-H02	Not applicable.
		SureSelect Methyl-Seq PCR1 Primer R	Not applicable.
		SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
		SureSelect Hyb 1	Not applicable.
		SureSelect Hyb 2	Not applicable.
		SureSelect Hyb 4	Not applicable.
		SureSelect Binding Buffer	Not applicable.
		SureSelect Wash Buffer 1	Not applicable.
		SureSelect Wash Buffer 2	Not applicable.
		SureSelect Block 2	Not applicable.
		SureSelect Hyb 3	Not applicable.
		SureSelect RNase Block	Not applicable.
		SureSelect Methyl-Seq Block 3	Not applicable.
		SureSelect Indexing Block 1	Not applicable.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

## SECTION 15: Regulatory information

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**United States** : All components are active or exempted.

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 N/A = Not available  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification

Classification	Justification
SureSelect Hyb 2 Eye Irrit. 2, H319	Calculation method

### Full text of abbreviated H statements

<b>10X End Repair Buffer</b> H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.	
<b>SureSelect Hyb 2</b> H319 Causes serious eye irritation.	

### Full text of classifications

<b>10X End Repair Buffer</b> Acute Tox. 4 ACUTE TOXICITY - Category 4 Aquatic Chronic 3 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2 STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
<b>SureSelect Hyb 2</b>	

## SECTION 16: Other information

Eye Irrit. 2                      SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

**Date of issue/ Date of revision**                      : 25/10/2023

**Date of previous issue**                                      : 24/05/2023

**Version**    : 3.1

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

### Notice to reader

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