

SAFETY DATA SHEET



SureSelect XT Methyl-Seq Reagent Kits - 480 Reactions - Revised Configuration, Part Number G9651C

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

1.1 Product identifier

Product name	: SureSelect XT Methyl-Seq Reagent Kits - 480 Reactions - Revised Configuration, Part Number G9651C
Part No. (Kit)	: G9651C
Part No.	: 10X End Repair Buffer 5190-3609 5X T4 DNA Ligase Buffer 5190-3610 Klenow DNA Polymerase 5190-3615 T4 DNA Ligase 5190-3612 T4 DNA Polymerase 5190-3614 T4 Polynucleotide Kinase 5190-3616 dNTP Mix 5190-3618 10x Klenow Polymerase Buffer 5190-3611 Exo(-) Klenow 5190-3613 dATP 5190-3617 SureSelect Methyl-Seq Methylated Adapter 5190-4970 SureSelect Methyl-Seq Indexing Primer Common 5190-4971 SureSelect Methyl-Seq PCR1 Primer F 5190-4972 SureSelect Methyl-Seq PCR1 primer R 5190-7911 SureSelect Methyl-Seq PCR Master Mix 5190-7928 SureSelect Methyl-Seq Library Prep Kit 5190-4404 SureSelect Hyb 1 5190-4405 SureSelect Hyb 2 5190-4406 SureSelect Hyb 4 5190-4407 SureSelect Binding Buffer 5190-4408 SureSelect Wash Buffer 1 5190-4409 SureSelect Wash Buffer 2 5190-4410 SureSelect Elution Buffer 5190-4384 SureSelect Block 2 5190-4385 SureSelect Hyb 3 5190-4386 SureSelect RNase Block 5190-4428 SureSelect Indexing Block 1 5190-5005 SureSelect Methyl-Seq Block 3

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

10X End Repair Buffer	7 ml (96 reactions)
5X T4 DNA Ligase Buffer	7 ml (96 reactions)
Klenow DNA Polymerase	1.45 ml (96 reactions)
T4 DNA Ligase	1.05 ml (96 reactions)
T4 DNA Polymerase	0.7 ml (96 reactions)
T4 Polynucleotide Kinase	1.5 ml (96 reactions)
dNTP Mix	1.15 ml (96 reactions)
10x Klenow Polymerase Buffer	4 ml (96 reactions)
Exo(-) Klenow	2.45 ml (96 reactions)
dATP	0.8 ml (96 reactions)
SureSelect Methyl-Seq Methylated Adapter	2.5 ml (96 reactions)
SureSelect Methyl-Seq Indexing Primer Common	1.5 ml (96 reactions)
SureSelect Methyl-Seq PCR1 Primer F	1.5 ml (96 reactions)
SureSelect Methyl-Seq PCR1 primer R	1.5 ml (96 reactions)
SureSelect Methyl-Seq PCR Master Mix	39.6 ml (96 reactions)
SureSelect Methyl-Seq Library Prep Kit	7.2ml (0.015 ml x 480)
SureSelect Hyb 1	5 x 2.4 ml
SureSelect Hyb 2	0.096 ml
SureSelect Hyb 4	5 x 1.25 ml
SureSelect Binding Buffer	5 x 80 ml
SureSelect Wash Buffer 1	5 x 48 ml
SureSelect Wash Buffer 2	5 x 144 ml
SureSelect Elution Buffer	5 x 5.8 ml
SureSelect Block 2	5 x 0.24 ml
SureSelect Hyb 3	5 x 0.96 ml
SureSelect RNase Block	5 x 0.096 ml
SureSelect Indexing Block 1	5 x 0.24 ml
SureSelect Methyl-Seq Block 3	5 x 0.058 ml

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
 Hewlett-Packard-Str. 8
 76337 Waldbronn
 Germany
 0800 603 1000

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	10X End Repair Buffer	Mixture
		5X T4 DNA Ligase Buffer	Mixture
		Klenow DNA Polymerase	Mixture
		T4 DNA Ligase	Mixture
		T4 DNA Polymerase	Mixture
		T4 Polynucleotide Kinase	Mixture
		dNTP Mix	Mixture
		10x Klenow Polymerase Buffer	Mixture
		Exo(-) Klenow	Mixture
		dATP	Mixture
		SureSelect Methyl-Seq Methylated Adapter	Mixture

SECTION 2: Hazards identification

SureSelect Methyl-Seq Indexing Primer Common	Mixture
SureSelect Methyl-Seq PCR1 Primer F	Mixture
SureSelect Methyl-Seq PCR1 primer R	Mixture
SureSelect Methyl-Seq PCR Master Mix	Mixture
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Mixture
SureSelect Block 2	Mixture
SureSelect Hyb 3	Mixture
SureSelect RNase Block	Mixture
SureSelect Indexing Block 1	Mixture
SureSelect Methyl-Seq Block 3	Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

5X T4 DNA Ligase Buffer

H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

SureSelect Hyb 1

H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Ingredients of unknown toxicity

: 10X End Repair Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9%
5X T4 DNA Ligase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3.9%
Klenow DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%
T4 DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%
T4 Polynucleotide Kinase	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%
dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 6%
10x Klenow Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9%
SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1%
SureSelect Indexing Block 1	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2%

Ingredients of unknown ecotoxicity

: 10X End Repair Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 7.9%
5X T4 DNA Ligase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.9%
Klenow DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%
T4 DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%
T4 Polynucleotide Kinase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%

SECTION 2: Hazards identification

dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 6%
10x Klenow Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 7.9%
SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%
SureSelect Indexing Block 1	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%

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

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Signal word

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10X End Repair Buffer	No signal word.
5X T4 DNA Ligase Buffer	Warning
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.
Exo(-) Klenow	No signal word.
dATP	No signal word.
SureSelect Methyl-Seq Methylated Adapter	No signal word.
SureSelect Methyl-Seq Indexing Primer	No signal word.
Common	
SureSelect Methyl-Seq PCR1 Primer F	No signal word.
SureSelect Methyl-Seq PCR1 primer R	No signal word.
SureSelect Methyl-Seq PCR Master Mix	No signal word.
SureSelect Methyl-Seq Library Prep Kit	No signal word.
SureSelect Hyb 1	Warning
SureSelect Hyb 2	No signal word.
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 Elution Buffer	No signal word.
SureSelect Block 2	No signal word.
SureSelect Hyb 3	No signal word.
SureSelect RNase Block	No signal word.
SureSelect Indexing Block 1	No signal word.
SureSelect Methyl-Seq Block 3	No signal word.

Hazard statements

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SECTION 2: Hazards identification

10X End Repair Buffer	No known significant effects or critical hazards.
5X T4 DNA Ligase Buffer	GHS07 - Causes serious eye irritation.
Klenow DNA Polymerase	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
T4 DNA Polymerase	No known significant effects or critical hazards.
T4 Polynucleotide Kinase	No known significant effects or critical hazards.
dNTP Mix	No known significant effects or critical hazards.
10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	No known significant effects or critical hazards.
dATP	No known significant effects or critical hazards.
SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
SureSelect Methyl-Seq Library Prep Kit	No known significant effects or critical hazards.
SureSelect Hyb 1	GHS07 - Causes serious eye irritation.
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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.

Precautionary statements

Prevention

: 10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10x Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Methyl-Seq PCR1 Primer F	Not applicable.

SECTION 2: Hazards identification

SureSelect Methyl-Seq PCR1 primer R	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect Methyl-Seq Library Prep Kit	Not applicable.
SureSelect Hyb 1	P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling.
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 Elution Buffer	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.
10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10x Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Methyl-Seq PCR1 Primer F	Not applicable.
SureSelect Methyl-Seq PCR1 primer R	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect Methyl-Seq Library Prep Kit	Not applicable.
SureSelect Hyb 1	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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 Elution Buffer	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.

Response

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SECTION 2: Hazards identification

	SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
Storage	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer F	Not applicable.
	SureSelect Methyl-Seq PCR1 primer R	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
Disposal	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer F	Not applicable.

SECTION 2: Hazards identification

	SureSelect Methyl-Seq PCR1 primer R	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
Hazardous ingredients	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	Not applicable.
	SureSelect Binding Buffer	Not applicable.
Supplemental label elements	: 10X End Repair Buffer	Safety data sheet available on request.
	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	Safety data sheet available on request.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer F	Not applicable.
	SureSelect Methyl-Seq PCR1 primer R	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect Methyl-Seq Library Prep Kit	Not applicable.
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	Safety data sheet available on request.
	SureSelect Hyb 4	Not applicable.
	SureSelect Binding Buffer	Safety data sheet available on request.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.

SECTION 2: Hazards identification

	SureSelect Elution Buffer	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer F	Not applicable.
	SureSelect Methyl-Seq PCR1 primer R	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.

Special packaging requirements

Tactile warning of danger	10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq	Not applicable.

SECTION 2: Hazards identification

Indexing Primer Common	
SureSelect Methyl-Seq PCR1 Primer F	Not applicable.
SureSelect Methyl-Seq PCR1 primer R	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.

2.3 Other hazards

Other hazards which do not result in classification

: 10X End Repair Buffer	None known.
5X T4 DNA Ligase Buffer	None known.
Klenow DNA Polymerase	None known.
T4 DNA Ligase	None known.
T4 DNA Polymerase	None known.
T4 Polynucleotide Kinase	None known.
dNTP Mix	None known.
10x Klenow Polymerase Buffer	None known.
Exo(-) Klenow	None known.
dATP	None known.
SureSelect Methyl-Seq Methylated Adapter	None known.
SureSelect Methyl-Seq Indexing Primer Common	None known.
SureSelect Methyl-Seq PCR1 Primer F	None known.
SureSelect Methyl-Seq PCR1 primer R	None known.
SureSelect Methyl-Seq PCR Master Mix	None known.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	None known.
SureSelect Block 2	None known.

SECTION 2: Hazards identification

SureSelect Hyb 3 None known.
 SureSelect RNase Block None known.
 SureSelect Indexing Block 1 None known.
 SureSelect Methyl-Seq Block 3 None known.

SECTION 3: Composition/information on ingredients

3.1 Substances

- : 10X End Repair Buffer Mixture
- 5X T4 DNA Ligase Buffer Mixture
- Klenow DNA Polymerase Mixture
- T4 DNA Ligase Mixture
- T4 DNA Polymerase Mixture
- T4 Polynucleotide Kinase Mixture
- dNTP Mix Mixture
- 10x Klenow Polymerase Buffer Mixture
- Exo(-) Klenow Mixture
- dATP Mixture
- SureSelect Methyl-Seq Mixture
- Methylated Adapter
- SureSelect Methyl-Seq Indexing Primer Common Mixture
- SureSelect Methyl-Seq PCR1 Primer F Mixture
- SureSelect Methyl-Seq PCR1 primer R Mixture
- SureSelect Methyl-Seq PCR Master Mix Mixture
- SureSelect Methyl-Seq Library Prep Kit 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 Elution Buffer Mixture
- SureSelect Block 2 Mixture
- SureSelect Hyb 3 Mixture
- SureSelect RNase Block Mixture
- SureSelect Indexing Block 1 Mixture
- SureSelect Methyl-Seq Block 3 Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
10X End Repair Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤8.3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
(R*,R*)-1,4-Dimercaptobutane-2, 3-diol	EC: 222-468-7 CAS: 3483-12-3	≤1.6	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Chronic 3, H412	[1]
5X T4 DNA Ligase Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
Klenow DNA Polymerase Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]

SECTION 3: Composition/information on ingredients

T4 DNA Ligase Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
T4 DNA Polymerase Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
T4 Polynucleotide Kinase Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
10x Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	<10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
Exo(-) Klenow Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
SureSelect Methyl-Seq PCR Master Mix Glycerol	EC: 200-289-5 CAS: 56-81-5	≤10	Not classified.	[2]
SureSelect Hyb 1 Sodium chloride	EC: 231-598-3 CAS: 7647-14-5	≥10 - ≤25	Eye Irrit. 2, H319	[1]
SureSelect Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	EC: 205-358-3 CAS: 139-33-3	≥10 - ≤25	Acute Tox. 4, H302	[1]
SureSelect Binding Buffer Sodium chloride	EC: 231-598-3 CAS: 7647-14-5	<10	Eye Irrit. 2, H319	[1]
SureSelect RNase Block Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
SureSelect Indexing Block 1 Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
			See Section 16 for the full text of the H statements declared above.	

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

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

SECTION 4: First aid measures**4.1 Description of first aid measures**

Eye contact	: 10X End Repair Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	5X T4 DNA Ligase Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	Klenow DNA Polymerase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. 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.
	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.
	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 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 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 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 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 Methyl-Seq Library Prep Kit	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. Continue to rinse for at least 10 minutes. Get medical attention.
	SureSelect Hyb 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 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	lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Elution 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 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 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.
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.
Inhalation	
: 10X End Repair Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
5X T4 DNA Ligase Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If 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.
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. 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.
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	Remove victim to fresh air and keep at rest in a position

SECTION 4: First aid measures

Buffer	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.
Exo(-) Klenow	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
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 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 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.
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 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 Methyl-Seq Library Prep Kit	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. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Hyb 2	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 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 Elution Buffer	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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed

SECTION 4: First aid measures

		person may need to be kept under medical surveillance for 48 hours.
	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 Indexing Block 1	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.
Skin contact	: 10X End Repair Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	5X T4 DNA Ligase Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Klenow DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	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.
	Exo(-) Klenow	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 Indexing Primer Common	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 PCR1 primer R	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 Methyl-Seq	Flush contaminated skin with plenty of water. Remove

SECTION 4: First aid measures

Library Prep Kit	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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
SureSelect Hyb 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
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.
SureSelect Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Elution Buffer	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 Indexing Block 1	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.
Ingestion : 10X End Repair Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
5X T4 DNA Ligase Buffer	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Klenow DNA Polymerase	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical

SECTION 4: First aid measures

T4 DNA Ligase	personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
T4 DNA Polymerase	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
T4 Polynucleotide Kinase	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
dNTP Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10x Klenow Polymerase Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Exo(-) Klenow	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
dATP	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Methylated Adapter	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Indexing Primer Common	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq PCR1 Primer F	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq PCR1 primer R	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is

SECTION 4: First aid measures

	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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Library Prep Kit	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Hyb 1	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Hyb 2	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Hyb 4	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Elution Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical

SECTION 4: First aid measures

SureSelect Block 2	personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Hyb 3	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect RNase Block	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Indexing Block 1	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Methyl-Seq Block 3	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Protection of first-aiders : 10X End Repair Buffer	No action shall be taken involving any personal risk or without suitable training.
5X T4 DNA Ligase Buffer	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Klenow DNA Polymerase	No action shall be taken involving any personal risk or without suitable training.
T4 DNA Ligase	No action shall be taken involving any personal risk or without suitable training.
T4 DNA Polymerase	No action shall be taken involving any personal risk or without suitable training.
T4 Polynucleotide Kinase	No action shall be taken involving any personal risk or without suitable training.
dNTP Mix	No action shall be taken involving any personal risk or without suitable training.
10x Klenow Polymerase Buffer	No action shall be taken involving any personal risk or without suitable training.
Exo(-) Klenow	No action shall be taken involving any personal risk or without suitable training.
dATP	No action shall be taken involving any personal risk or without suitable training.
SureSelect Methyl-Seq Methylated Adapter	No action shall be taken involving any personal risk or without suitable training.
SureSelect Methyl-Seq Indexing Primer	No action shall be taken involving any personal risk or without suitable training.
Common	
SureSelect Methyl-Seq PCR1 Primer F	No action shall be taken involving any personal risk or without suitable training.
SureSelect Methyl-Seq PCR1 primer R	No action shall be taken involving any personal risk or without suitable training.
SureSelect Methyl-Seq PCR Master Mix	No action shall be taken involving any personal risk or without suitable training.
SureSelect Methyl-Seq	No action shall be taken involving any personal risk or

SECTION 4: First aid measures

Library Prep Kit	without suitable training.
SureSelect Hyb 1	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 2	No action shall be taken involving any personal risk or without suitable training.
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 Elution Buffer	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 Indexing Block 1	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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	Causes serious eye irritation.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Library Prep Kit	No known significant effects or critical hazards.
		SureSelect Hyb 1	Causes serious eye irritation.
		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 Elution Buffer	No known significant effects or critical hazards.

SECTION 4: First aid measures

	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
Inhalation	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
Skin contact	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.

SECTION 4: First aid measures

	SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
Ingestion	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.

SECTION 4: First aid measures

SureSelect Methyl-Seq Block 3 No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact

: 10X End Repair Buffer	No specific data.
5X T4 DNA Ligase Buffer	Adverse symptoms may include the following: pain or irritation watering redness
Klenow DNA Polymerase	No specific data.
T4 DNA Ligase	No specific data.
T4 DNA Polymerase	No specific data.
T4 Polynucleotide Kinase	No specific data.
dNTP Mix	No specific data.
10x Klenow Polymerase Buffer	No specific data.
Exo(-) Klenow dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Methyl-Seq PCR1 Primer F	No specific data.
SureSelect Methyl-Seq PCR1 primer R	No specific data.
SureSelect Methyl-Seq PCR Master Mix	No specific data.
SureSelect Methyl-Seq Library Prep Kit	No specific data.
SureSelect Hyb 1	Adverse symptoms may include the following: pain or irritation watering redness
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 Elution Buffer	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Indexing Block 1	No specific data.
SureSelect Methyl-Seq Block 3	No specific data.
Inhalation : 10X End Repair Buffer	No specific data.
5X T4 DNA Ligase Buffer	No specific data.
Klenow DNA Polymerase	No specific data.
T4 DNA Ligase	No specific data.
T4 DNA Polymerase	No specific data.
T4 Polynucleotide Kinase	No specific data.
dNTP Mix	No specific data.
10x Klenow Polymerase Buffer	No specific data.
Exo(-) Klenow dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.

SECTION 4: First aid measures

	SureSelect Methyl-Seq Indexing Primer Common	No specific data.
	SureSelect Methyl-Seq PCR1 Primer F	No specific data.
	SureSelect Methyl-Seq PCR1 primer R	No specific data.
	SureSelect Methyl-Seq PCR Master Mix	No specific data.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Methyl-Seq Block 3	No specific data.
Skin contact	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10x Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Methyl-Seq Methylated Adapter	No specific data.
	SureSelect Methyl-Seq Indexing Primer Common	No specific data.
	SureSelect Methyl-Seq PCR1 Primer F	No specific data.
	SureSelect Methyl-Seq PCR1 primer R	No specific data.
	SureSelect Methyl-Seq PCR Master Mix	No specific data.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Hyb 3	No specific data.

SECTION 4: First aid measures

	SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Methyl-Seq Block 3	No specific data.
Ingestion	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10x Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Methyl-Seq Methylated Adapter	No specific data.
	SureSelect Methyl-Seq Indexing Primer Common	No specific data.
	SureSelect Methyl-Seq PCR1 Primer F	No specific data.
	SureSelect Methyl-Seq PCR1 primer R	No specific data.
	SureSelect Methyl-Seq PCR Master Mix	No specific data.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Methyl-Seq Block 3	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: 10X End Repair Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	5X T4 DNA Ligase Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Klenow DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	T4 DNA Ligase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	T4 DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	T4 Polynucleotide Kinase	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 4: First aid measures

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.
Exo(-) Klenow	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
dATP	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 Primer F	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 PCR Master Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Block 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 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 Indexing Block 1	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.
10X End Repair Buffer	No specific treatment.
5X T4 DNA Ligase Buffer	No specific treatment.
Klenow DNA Polymerase	No specific treatment.
T4 DNA Ligase	No specific treatment.
T4 DNA Polymerase	No specific treatment.
T4 Polynucleotide Kinase	No specific treatment.
dNTP Mix	No specific treatment.
10x Klenow Polymerase Buffer	No specific treatment.
Exo(-) Klenow	No specific treatment.
dATP	No specific treatment.
SureSelect Methyl-Seq Methylated Adapter	No specific treatment.
SureSelect Methyl-Seq	No specific treatment.

Specific treatments

SECTION 4: First aid measures

Indexing Primer Common	
SureSelect Methyl-Seq PCR1 Primer F	No specific treatment.
SureSelect Methyl-Seq PCR1 primer R	No specific treatment.
SureSelect Methyl-Seq PCR Master Mix	No specific treatment.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific treatment.
SureSelect Block 2	No specific treatment.
SureSelect Hyb 3	No specific treatment.
SureSelect RNase Block	No specific treatment.
SureSelect Indexing Block 1	No specific treatment.
SureSelect Methyl-Seq Block 3	No specific treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

: 10X End Repair Buffer	Use an extinguishing agent suitable for the surrounding fire.
5X T4 DNA Ligase Buffer	Use an extinguishing agent suitable for the surrounding fire.
Klenow DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
T4 DNA Ligase	Use an extinguishing agent suitable for the surrounding fire.
T4 DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
T4 Polynucleotide Kinase	Use an extinguishing agent suitable for the surrounding fire.
dNTP Mix	Use an extinguishing agent suitable for the surrounding fire.
10x Klenow Polymerase Buffer	Use an extinguishing agent suitable for the surrounding fire.
Exo(-) Klenow	Use an extinguishing agent suitable for the surrounding fire.
dATP	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Methyl-Seq Methylated Adapter	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Methyl-Seq Indexing Primer Common	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 PCR1 primer R	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 Methyl-Seq Library Prep Kit	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.

SECTION 5: Firefighting measures

SureSelect Elution Buffer 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 Indexing Block 1 Use an extinguishing agent suitable for the surrounding fire.
 SureSelect Methyl-Seq Block 3 Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: 10X End Repair Buffer None known.
 5X T4 DNA Ligase Buffer None known.
 Klenow DNA Polymerase None known.
 T4 DNA Ligase None known.
 T4 DNA Polymerase None known.
 T4 Polynucleotide Kinase None known.
 dNTP Mix None known.
 10x Klenow Polymerase Buffer None known.
 Exo(-) Klenow dATP None known.
 SureSelect Methyl-Seq Methylated Adapter None known.
 SureSelect Methyl-Seq Indexing Primer Common None known.
 SureSelect Methyl-Seq PCR1 Primer F None known.
 SureSelect Methyl-Seq PCR1 primer R None known.
 SureSelect Methyl-Seq PCR Master Mix None known.
 SureSelect Methyl-Seq Library Prep Kit 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 Elution Buffer None known.
 SureSelect Block 2 None known.
 SureSelect Hyb 3 None known.
 SureSelect RNase Block None known.
 SureSelect Indexing Block 1 None known.
 SureSelect Methyl-Seq Block 3 None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: 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.

SECTION 5: Firefighting measures

dNTP Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
10x Klenow Polymerase Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
Exo(-) Klenow	In a fire or if heated, a pressure increase will occur and the container may burst.
dATP	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 Primer F	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 PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	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.
10X End Repair Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
5X T4 DNA Ligase Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Klenow DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 DNA Ligase	Decomposition products may include the following materials: carbon dioxide carbon monoxide

Hazardous combustion products

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

5X T4 DNA Ligase Buffer
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
metal oxide/oxides

Klenow DNA Polymerase
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

T4 DNA Ligase
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

SECTION 5: Firefighting measures

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 nitrogen oxides phosphorus oxides
dNTP Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
10x Klenow Polymerase Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Exo(-) Klenow	Decomposition products may include the following materials: carbon dioxide carbon monoxide
dATP	No specific data.
SureSelect Methyl-Seq Methylated Adapter	No specific data.
SureSelect Methyl-Seq Indexing Primer Common	No specific data.
SureSelect Methyl-Seq PCR1 Primer F	No specific data.
SureSelect Methyl-Seq PCR1 primer R	No specific data.
SureSelect Methyl-Seq PCR Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect Methyl-Seq Library Prep Kit	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 metal oxide/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 Elution Buffer	No specific data.
SureSelect Block 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
SureSelect Hyb 3	Decomposition products may include the following materials:

SECTION 5: Firefighting measures

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

5.3 Advice for firefighters**Special precautions for fire-fighters**

: 10X End Repair Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
5X T4 DNA Ligase Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Klenow DNA Polymerase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
T4 DNA Ligase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
T4 DNA Polymerase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
T4 Polynucleotide Kinase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
dNTP Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
10x Klenow Polymerase Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Exo(-) Klenow	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No 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 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.
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 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 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 Methyl-Seq Library Prep Kit	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be

SECTION 5: Firefighting measures

SureSelect Hyb 1	taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect 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 Elution 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 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 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.
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.
: 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for

Special protective equipment for fire-fighters

SECTION 5: Firefighting measures

	fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
dATP	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Methyl-Seq Methylated Adapter	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Methyl-Seq	Fire-fighters should wear appropriate protective equipment

SECTION 5: Firefighting measures

Library Prep Kit	and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SureSelect Elution Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a

SECTION 5: Firefighting measures

SureSelect Indexing Block 1	basic level of protection for chemical incidents. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

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

SECTION 6: Accidental release measures

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 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 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 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 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 Methyl-Seq Library Prep Kit	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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.

SECTION 6: Accidental release measures

		Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	SureSelect Elution Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
	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 spilled 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 spilled 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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
For emergency responders	: 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-

SECTION 6: Accidental release measures

Exo(-) Klenow	emergency personnel". 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 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".
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 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 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 Methyl-Seq Library Prep Kit	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 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 Elution 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 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-

SECTION 6: Accidental release measures

SureSelect Hyb 3	emergency personnel". 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 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".
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".

6.2 Environmental precautions

: 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 (sewers, waterways, soil or air).
T4 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 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).
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).
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 Indexing Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant

SECTION 6: Accidental release measures

Common	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 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 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 Methyl-Seq Library Prep Kit	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).
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 Elution 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 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 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).
SureSelect Methyl-Seq Block 3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant

SECTION 6: Accidental release measures

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** : 10X End Repair Buffer

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. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
10x Klenow Polymerase Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Exo(-) Klenow	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
dATP	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect 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 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.

SECTION 6: Accidental release measures

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 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 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 Methyl-Seq Library Prep Kit	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.
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 Elution Buffer	Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. 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

SECTION 6: Accidental release measures

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

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

Protective measures	<p>10X End Repair Buffer Put on appropriate personal protective equipment (see Section 8).</p> <p>5X T4 DNA Ligase Buffer Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing 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.</p> <p>Klenow DNA Polymerase Put on appropriate personal protective equipment (see Section 8).</p> <p>T4 DNA Ligase Put on appropriate personal protective equipment (see Section 8).</p> <p>T4 DNA Polymerase Put on appropriate personal protective equipment (see Section 8).</p> <p>T4 Polynucleotide Kinase Put on appropriate personal protective equipment (see Section 8).</p> <p>dNTP Mix Put on appropriate personal protective equipment (see Section 8).</p> <p>10x Klenow Polymerase Buffer Put on appropriate personal protective equipment (see Section 8).</p> <p>Exo(-) Klenow Put on appropriate personal protective equipment (see Section 8).</p> <p>dATP Put on appropriate personal protective equipment (see Section 8).</p> <p>SureSelect Methyl-Seq Methylated Adapter Put on appropriate personal protective equipment (see Section 8).</p> <p>SureSelect Methyl-Seq Indexing Primer Put on appropriate personal protective equipment (see Section 8).</p> <p>Common</p> <p>SureSelect Methyl-Seq PCR1 Primer F Put on appropriate personal protective equipment (see Section 8).</p> <p>SureSelect Methyl-Seq PCR1 primer R Put on appropriate personal protective equipment (see Section 8).</p> <p>SureSelect Methyl-Seq PCR Master Mix Put on appropriate personal protective equipment (see Section 8).</p> <p>SureSelect Methyl-Seq Library Prep Kit Put on appropriate personal protective equipment (see Section 8).</p> <p>SureSelect Hyb 1 Put on appropriate personal protective equipment (see</p>
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SECTION 7: Handling and storage

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 2 Put on appropriate personal protective equipment (see Section 8).

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 Elution Buffer Put on appropriate personal protective equipment (see Section 8). Keep away from acids.

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 Indexing Block 1 Put on appropriate personal protective equipment (see Section 8).

SureSelect Methyl-Seq Block 3 Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

: 10X End Repair Buffer Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

5X T4 DNA Ligase Buffer Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

T4 DNA Ligase Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

T4 DNA Polymerase Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

T4 Polynucleotide Kinase Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SECTION 7: Handling and storage

dNTP Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
10x Klenow Polymerase Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Exo(-) Klenow	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
dATP	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect 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 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 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 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.
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 Methyl-Seq Library Prep Kit	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

SECTION 7: Handling and storage

SureSelect Hyb 2	<p>protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p>
SureSelect Hyb 4	<p>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.</p>
SureSelect Binding Buffer	<p>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.</p>
SureSelect Wash Buffer 1	<p>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.</p>
SureSelect Wash Buffer 2	<p>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.</p>
SureSelect Elution Buffer	<p>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.</p>
SureSelect Block 2	<p>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.</p>
SureSelect Hyb 3	<p>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.</p>
SureSelect RNase Block	<p>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.</p>
SureSelect Indexing Block 1	<p>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.</p>
SureSelect Methyl-Seq Block 3	<p>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.</p>

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.

7.2 Conditions for safe storage, including any incompatibilities

Storage	: 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.
	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.
	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.
	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.
	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 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.
	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.
	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

SECTION 7: Handling and storage

	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.
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.
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.
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.
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.
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.
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 appropriate containment to avoid environmental contamination.
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

SECTION 7: Handling and storage

	been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect 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.
SureSelect Methyl-Seq Library Prep Kit	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect 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.
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.
SureSelect Hyb 4	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect 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.
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.

SECTION 7: Handling and storage

	prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
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.
SureSelect Elution 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. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect 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.
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.
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 opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect 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.
SureSelect Methyl-Seq Block 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

SECTION 7: Handling and storage

appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)**Recommendations**

: 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.
Exo(-) Klenow	Industrial applications, Professional applications.
dATP	Industrial applications, Professional applications.
SureSelect Methyl-Seq Methylated Adapter	Industrial applications, Professional applications.
SureSelect Methyl-Seq Indexing Primer Common	Industrial applications, Professional applications.
SureSelect Methyl-Seq PCR1 Primer F	Industrial applications, Professional applications.
SureSelect Methyl-Seq PCR1 primer R	Industrial applications, Professional applications.
SureSelect Methyl-Seq PCR Master Mix	Industrial applications, Professional applications.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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.
SureSelect Indexing Block 1	Industrial applications, Professional applications.
SureSelect Methyl-Seq Block 3	Industrial applications, Professional applications.

Industrial sector specific solutions

: 10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	Not applicable.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10x Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Methyl-Seq Methylated Adapter	Not applicable.
SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
SureSelect Methyl-Seq PCR1 Primer F	Not applicable.

SECTION 7: Handling and storage

SureSelect Methyl-Seq PCR1 primer R	Not applicable.
SureSelect Methyl-Seq PCR Master Mix	Not applicable.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Klenow DNA Polymerase Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
T4 DNA Ligase Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
T4 DNA Polymerase Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
T4 Polynucleotide Kinase Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
Exo(-) Klenow Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
SureSelect Methyl-Seq PCR Master Mix Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
SureSelect RNase Block Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
SureSelect Indexing Block 1 Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist

SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

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

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

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

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

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**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	:	10X End Repair Buffer	Liquid.	
		5X T4 DNA Ligase Buffer	Liquid.	
		Klenow DNA Polymerase	Liquid.	
		T4 DNA Ligase	Liquid.	
		T4 DNA Polymerase	Liquid.	
		T4 Polynucleotide Kinase	Liquid.	
		dNTP Mix	Liquid.	
		10x Klenow Polymerase Buffer	Liquid.	
		Exo(-) Klenow	Liquid.	
		dATP	Liquid.	
		SureSelect Methyl-Seq Methylated Adapter	Liquid.	
		SureSelect Methyl-Seq Indexing Primer Common	Liquid.	
		SureSelect Methyl-Seq PCR1 Primer F	Liquid.	
		SureSelect Methyl-Seq PCR1 primer R	Liquid.	
		SureSelect Methyl-Seq PCR Master Mix	Liquid.	
		SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Liquid.	
		SureSelect Block 2	Liquid.	
		SureSelect Hyb 3	Liquid.	
		SureSelect RNase Block	Liquid.	
		SureSelect Indexing Block 1	Liquid.	
		SureSelect Methyl-Seq Block 3	Liquid.	
	Colour	:	10X End Repair Buffer	Not available.
			5X T4 DNA Ligase Buffer	Not available.
			Klenow DNA Polymerase	Not available.
			T4 DNA Ligase	Not available.
			T4 DNA Polymerase	Not available.
		T4 Polynucleotide Kinase	Not available.	
		dNTP Mix	Not available.	
		10x Klenow Polymerase Buffer	Not available.	
		Exo(-) Klenow	Not available.	
		dATP	Not available.	
		SureSelect Methyl-Seq	Not available.	

SECTION 9: Physical and chemical properties

	Methylated Adapter	
	SureSelect Methyl-Seq Indexing Primer	Not available.
	Common	
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
	SureSelect Block 2	Colourless.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
Odour	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq Indexing Primer	Not available.
	Common	
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash	Not available.

SECTION 9: Physical and chemical properties

	Buffer 1	
	SureSelect Wash	Not available.
	Buffer 2	
	SureSelect Elution	Not available.
	Buffer	
	SureSelect Block 2	Odourless.
	SureSelect Hyb 3	Not available.
	SureSelect RNase	Not available.
	Block	
	SureSelect Indexing	Not available.
	Block 1	
	SureSelect Methyl-Seq	Not available.
	Block 3	
Odour threshold	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase	Not available.
	Buffer	
	Klenow DNA	Not available.
	Polymerase	
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide	Not available.
	Kinase	
	dNTP Mix	Not available.
	10x Klenow	Not available.
	Polymerase Buffer	
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq	Not available.
	Methylated Adapter	
	SureSelect Methyl-Seq	Not available.
	Indexing Primer	
	Common	
	SureSelect Methyl-Seq	Not available.
	PCR1 Primer F	
	SureSelect Methyl-Seq	Not available.
	PCR1 primer R	
	SureSelect Methyl-Seq	Not available.
	PCR Master Mix	
	SureSelect Methyl-Seq	Not available.
	Library Prep Kit	
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding	Not available.
	Buffer	
	SureSelect Wash	Not available.
	Buffer 1	
	SureSelect Wash	Not available.
	Buffer 2	
	SureSelect Elution	Not available.
	Buffer	
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase	Not available.
	Block	
	SureSelect Indexing	Not available.
	Block 1	
	SureSelect Methyl-Seq	Not available.
	Block 3	

SECTION 9: Physical and chemical properties

pH	:	10X End Repair Buffer	7.5	
		5X T4 DNA Ligase Buffer	7.5	
		Klenow DNA Polymerase	7	
		T4 DNA Ligase	7.4	
		T4 DNA Polymerase	6.5	
		T4 Polynucleotide Kinase	7.4	
		dNTP Mix	7.5	
		10x Klenow Polymerase Buffer	7.5	
		Exo(-) Klenow	7	
		dATP	Not available.	
		SureSelect Methyl-Seq Methylated Adapter	7.5	
		SureSelect Methyl-Seq Indexing Primer Common	7.5	
		SureSelect Methyl-Seq PCR1 Primer F	7.5	
		SureSelect Methyl-Seq PCR1 primer R	7.5	
		SureSelect Methyl-Seq PCR Master Mix	8.8	
		SureSelect Methyl-Seq Library Prep Kit	7	
		SureSelect Hyb 1	7.4	
		SureSelect Hyb 2	8	
		SureSelect Hyb 4	Not available.	
		SureSelect Binding Buffer	7.5	
		SureSelect Wash Buffer 1	7.5	
		SureSelect Wash Buffer 2	7	
		SureSelect Elution Buffer	12.2 to 13.4	
		SureSelect Block 2	8	
		SureSelect Hyb 3	7	
		SureSelect RNase Block	Not available.	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Methyl-Seq Block 3	Not available.	
	Melting point/freezing point	:	10X End Repair Buffer	Not available.
			5X T4 DNA Ligase Buffer	Not available.
			Klenow DNA Polymerase	Not available.
			T4 DNA Ligase	Not available.
			T4 DNA Polymerase	Not available.
			T4 Polynucleotide Kinase	Not available.
			dNTP Mix	0°C
			10x Klenow Polymerase Buffer	Not available.
			Exo(-) Klenow	Not available.
			dATP	0°C
			SureSelect Methyl-Seq Methylated Adapter	0°C
			SureSelect Methyl-Seq Indexing Primer	0°C

SECTION 9: Physical and chemical properties

	Common	
	SureSelect Methyl-Seq	0°C
	PCR1 Primer F	
	SureSelect Methyl-Seq	0°C
	PCR1 primer R	
	SureSelect Methyl-Seq	0°C
	PCR Master Mix	
	SureSelect Methyl-Seq	0°C
	Library Prep Kit	
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	0°C
	SureSelect Binding	Not available.
	Buffer	
	SureSelect Wash	0°C
	Buffer 1	
	SureSelect Wash	0°C
	Buffer 2	
	SureSelect Elution	0°C
	Buffer	
	SureSelect Block 2	0°C
	SureSelect Hyb 3	0°C
	SureSelect RNase	Not available.
	Block	
	SureSelect Indexing	0°C
	Block 1	
	SureSelect Methyl-Seq	0°C
	Block 3	
Initial boiling point and boiling range	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase	Not available.
	Buffer	
	Klenow DNA	Not available.
	Polymerase	
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide	Not available.
	Kinase	
	dNTP Mix	100°C
	10x Klenow	Not available.
	Polymerase Buffer	
	Exo(-) Klenow	Not available.
	dATP	100°C
	SureSelect Methyl-Seq	100°C
	Methylated Adapter	
	SureSelect Methyl-Seq	100°C
	Indexing Primer	
	Common	
	SureSelect Methyl-Seq	100°C
	PCR1 Primer F	
	SureSelect Methyl-Seq	100°C
	PCR1 primer R	
	SureSelect Methyl-Seq	100°C
	PCR Master Mix	
	SureSelect Methyl-Seq	100°C
	Library Prep Kit	
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	100°C
	SureSelect Binding	Not available.
	Buffer	
	SureSelect Wash	100°C
	Buffer 1	
	SureSelect Wash	100°C
	Buffer 2	

SECTION 9: Physical and chemical properties

	SureSelect Elution Buffer	100°C
	SureSelect Block 2	100°C
	SureSelect Hyb 3	100°C
	SureSelect RNase Block	Not available.
	SureSelect Indexing Block 1	100°C
	SureSelect Methyl-Seq Block 3	100°C
Flash point	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq Indexing Primer Common	Not available.
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
Evaporation rate	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide	Not available.

SECTION 9: Physical and chemical properties

	Kinase	
	dNTP Mix	Not available.
	10x Klenow	Not available.
	Polymerase Buffer	
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq	Not available.
	Methylated Adapter	
	SureSelect Methyl-Seq	Not available.
	Indexing Primer	
	Common	
	SureSelect Methyl-Seq	Not available.
	PCR1 Primer F	
	SureSelect Methyl-Seq	Not available.
	PCR1 primer R	
	SureSelect Methyl-Seq	Not available.
	PCR Master Mix	
	SureSelect Methyl-Seq	Not available.
	Library Prep Kit	
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding	Not available.
	Buffer	
	SureSelect Wash	Not available.
	Buffer 1	
	SureSelect Wash	Not available.
	Buffer 2	
	SureSelect Elution	Not available.
	Buffer	
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase	Not available.
	Block	
	SureSelect Indexing	Not available.
	Block 1	
	SureSelect Methyl-Seq	Not available.
	Block 3	
Flammability (solid, gas)	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase	Not applicable.
	Buffer	
	Klenow DNA	Not applicable.
	Polymerase	
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide	Not applicable.
	Kinase	
	dNTP Mix	Not applicable.
	10x Klenow	Not applicable.
	Polymerase Buffer	
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Methyl-Seq	Not applicable.
	Methylated Adapter	
	SureSelect Methyl-Seq	Not applicable.
	Indexing Primer	
	Common	
	SureSelect Methyl-Seq	Not applicable.
	PCR1 Primer F	
	SureSelect Methyl-Seq	Not applicable.
	PCR1 primer R	
	SureSelect Methyl-Seq	Not applicable.
	PCR Master Mix	
	SureSelect Methyl-Seq	Not applicable.

SECTION 9: Physical and chemical properties

	Library Prep Kit	
	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 Elution Buffer	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Methyl-Seq Block 3	Not applicable.
Upper/lower flammability or explosive limits	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq Indexing Primer	Not available.
	Common	
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
SureSelect Indexing Block 1	Not available.	

SECTION 9: Physical and chemical properties

	SureSelect Methyl-Seq Block 3	Not available.
Vapour pressure	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq Indexing Primer Common	Not available.
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
Vapour density	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq	Not available.

SECTION 9: Physical and chemical properties

	Methylated Adapter	
	SureSelect Methyl-Seq Indexing Primer	Not available.
	Common	
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
Relative density	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq Indexing Primer	Not available.
	Common	
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash	Not available.

SECTION 9: Physical and chemical properties

	Buffer 1	
	SureSelect Wash	Not available.
	Buffer 2	
	SureSelect Elution	Not available.
	Buffer	
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase	Not available.
	Block	
	SureSelect Indexing	Not available.
	Block 1	
	SureSelect Methyl-Seq	Not available.
	Block 3	
Solubility(ies)	: 10X End Repair Buffer	Easily soluble in the following materials: cold water and hot water.
	5X T4 DNA Ligase	Easily soluble in the following materials: cold water and hot water.
	Buffer	
	Klenow DNA	Soluble in the following materials: cold water and hot water.
	Polymerase	
	T4 DNA Ligase	Soluble in the following materials: cold water and hot water.
	T4 DNA Polymerase	Soluble in the following materials: cold water and hot water.
	T4 Polynucleotide	Soluble in the following materials: cold water and hot water.
	Kinase	
	dNTP Mix	Easily soluble in the following materials: cold water and hot water.
	10x Klenow	Easily soluble in the following materials: cold water and hot water.
	Polymerase Buffer	
	Exo(-) Klenow	Not available.
	dATP	Easily soluble in the following materials: cold water and hot water.
	SureSelect Methyl-Seq	Easily soluble in the following materials: cold water and hot water.
	Methylated Adapter	
	SureSelect Methyl-Seq	Easily soluble in the following materials: cold water and hot water.
	Indexing Primer	
	Common	
	SureSelect Methyl-Seq	Easily soluble in the following materials: cold water and hot water.
	PCR1 Primer F	
	SureSelect Methyl-Seq	Easily soluble in the following materials: cold water and hot water.
	PCR1 primer R	
	SureSelect Methyl-Seq	Easily soluble in the following materials: cold water and hot water.
	PCR Master Mix	
	SureSelect Methyl-Seq	Easily soluble in the following materials: cold water and hot water.
	Library Prep Kit	
	SureSelect Hyb 1	Easily soluble in the following materials: cold water and hot water.
	SureSelect Hyb 2	Easily soluble in the following materials: cold water and hot water.
	SureSelect Hyb 4	Easily soluble in the following materials: cold water and hot water.
	SureSelect Binding	Easily soluble in the following materials: cold water and hot water.
	Buffer	
	SureSelect Wash	Easily soluble in the following materials: cold water and hot water.
	Buffer 1	
	SureSelect Wash	Easily soluble in the following materials: cold water and hot water.
	Buffer 2	
	SureSelect Elution	Easily soluble in the following materials: cold water and hot water.
	Buffer	
	SureSelect Block 2	Easily soluble in the following materials: cold water and hot water.
	SureSelect Hyb 3	Easily soluble in the following materials: cold water and hot water.
	SureSelect RNase	Soluble in the following materials: cold water and hot

SECTION 9: Physical and chemical properties

	Block	water.
	SureSelect Indexing Block 1	Easily soluble in the following materials: cold water and hot water.
	SureSelect Methyl-Seq Block 3	Easily soluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq Methylated Adapter	Not available.
	SureSelect Methyl-Seq Indexing Primer Common	Not available.
	SureSelect Methyl-Seq PCR1 Primer F	Not available.
	SureSelect Methyl-Seq PCR1 primer R	Not available.
	SureSelect Methyl-Seq PCR Master Mix	Not available.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Methyl-Seq Block 3	Not available.
Auto-ignition temperature	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.

SECTION 9: Physical and chemical properties

dATP	Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Methyl-Seq PCR1 Primer F	Not available.
SureSelect Methyl-Seq PCR1 primer R	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
SureSelect Block 2	Not available.
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Not available.
SureSelect Indexing Block 1	Not available.
SureSelect Methyl-Seq Block 3	Not available.
Decomposition temperature : 10X End Repair Buffer	Not available.
5X T4 DNA Ligase Buffer	Not available.
Klenow DNA Polymerase	Not available.
T4 DNA Ligase	Not available.
T4 DNA Polymerase	Not available.
T4 Polynucleotide Kinase	Not available.
dNTP Mix	Not available.
10x Klenow Polymerase Buffer	Not available.
Exo(-) Klenow	Not available.
dATP	Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Methyl-Seq PCR1 Primer F	Not available.
SureSelect Methyl-Seq PCR1 primer R	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect Methyl-Seq Library Prep Kit	Not available.
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Not available.
SureSelect Hyb 4	Not available.
SureSelect Binding Buffer	Not available.

SECTION 9: Physical and chemical properties

	Buffer	
	SureSelect Wash	Not available.
	Buffer 1	
	SureSelect Wash	Not available.
	Buffer 2	
	SureSelect Elution	Not available.
	Buffer	
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase	Not available.
	Block	
	SureSelect Indexing	Not available.
	Block 1	
	SureSelect Methyl-Seq	Not available.
	Block 3	
Viscosity	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase	Not available.
	Buffer	
	Klenow DNA	Not available.
	Polymerase	
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide	Not available.
	Kinase	
	dNTP Mix	Not available.
	10x Klenow	Not available.
	Polymerase Buffer	
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Methyl-Seq	Not available.
	Methylated Adapter	
	SureSelect Methyl-Seq	Not available.
	Indexing Primer	
	Common	
	SureSelect Methyl-Seq	Not available.
	PCR1 Primer F	
	SureSelect Methyl-Seq	Not available.
	PCR1 primer R	
	SureSelect Methyl-Seq	Not available.
	PCR Master Mix	
	SureSelect Methyl-Seq	Not available.
	Library Prep Kit	
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding	Not available.
	Buffer	
	SureSelect Wash	Not available.
	Buffer 1	
	SureSelect Wash	Not available.
	Buffer 2	
	SureSelect Elution	Not available.
	Buffer	
	SureSelect Block 2	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect RNase	Not available.
	Block	
	SureSelect Indexing	Not available.
	Block 1	
	SureSelect Methyl-Seq	Not available.
	Block 3	

SECTION 9: Physical and chemical properties

Explosive properties	:	10X End Repair Buffer	Not available.	
		5X T4 DNA Ligase Buffer	Not available.	
		Klenow DNA Polymerase	Not available.	
		T4 DNA Ligase	Not available.	
		T4 DNA Polymerase	Not available.	
		T4 Polynucleotide Kinase	Not available.	
		dNTP Mix	Not available.	
		10x Klenow Polymerase Buffer	Not available.	
		Exo(-) Klenow	Not available.	
		dATP	Not available.	
		SureSelect Methyl-Seq Methylated Adapter	Not available.	
		SureSelect Methyl-Seq Indexing Primer Common	Not available.	
		SureSelect Methyl-Seq PCR1 Primer F	Not available.	
		SureSelect Methyl-Seq PCR1 primer R	Not available.	
		SureSelect Methyl-Seq PCR Master Mix	Not available.	
		SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.	
		SureSelect Block 2	Not available.	
		SureSelect Hyb 3	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Methyl-Seq Block 3	Not available.	
	Oxidising properties	:	10X End Repair Buffer	Not available.
			5X T4 DNA Ligase Buffer	Not available.
			Klenow DNA Polymerase	Not available.
			T4 DNA Ligase	Not available.
			T4 DNA Polymerase	Not available.
			T4 Polynucleotide Kinase	Not available.
			dNTP Mix	Not available.
			10x Klenow Polymerase Buffer	Not available.
		Exo(-) Klenow	Not available.	
		dATP	Not available.	
		SureSelect Methyl-Seq Methylated Adapter	Not available.	
		SureSelect Methyl-Seq Indexing Primer	Not available.	

SECTION 9: Physical and chemical properties

Common	
SureSelect Methyl-Seq PCR1 Primer F	Not available.
SureSelect Methyl-Seq PCR1 primer R	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not available.
SureSelect Block 2	Not available.
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Not available.
SureSelect Indexing Block 1	Not available.
SureSelect Methyl-Seq Block 3	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	10X End Repair Buffer	No specific test data related to reactivity available for this product or its ingredients.
		5X T4 DNA Ligase Buffer	No specific test data related to reactivity available for this product or its ingredients.
		Klenow DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
		T4 DNA Ligase	No specific test data related to reactivity available for this product or its ingredients.
		T4 DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
		T4 Polynucleotide Kinase	No specific test data related to reactivity available for this product or its ingredients.
		dNTP Mix	No specific test data related to reactivity available for this product or its ingredients.
		10x Klenow Polymerase Buffer	No specific test data related to reactivity available for this product or its ingredients.
		Exo(-) Klenow	No specific test data related to reactivity available for this product or its ingredients.
		dATP	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Methyl-Seq Methylated Adapter	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Methyl-Seq Indexing Primer	No specific test data related to reactivity available for this product or its ingredients.
		Common	
		SureSelect Methyl-Seq PCR1 Primer F	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	No specific test data related to reactivity available for this

SECTION 10: Stability and reactivity

PCR Master Mix	product or its ingredients.
SureSelect Methyl-Seq Library Prep Kit	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.
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 Elution Buffer	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 Indexing Block 1	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.

10.2 Chemical stability

: 10X End Repair Buffer	The product is stable.
5X T4 DNA Ligase Buffer	The product is stable.
Klenow DNA Polymerase	The product is stable.
T4 DNA Ligase	The product is stable.
T4 DNA Polymerase	The product is stable.
T4 Polynucleotide Kinase	The product is stable.
dNTP Mix	The product is stable.
10x Klenow Polymerase Buffer	The product is stable.
Exo(-) Klenow	The product is stable.
dATP	The product is stable.
SureSelect Methyl-Seq Methylated Adapter	The product is stable.
SureSelect Methyl-Seq Indexing Primer Common	The product is stable.
SureSelect Methyl-Seq PCR1 Primer F	The product is stable.
SureSelect Methyl-Seq PCR1 primer R	The product is stable.
SureSelect Methyl-Seq PCR Master Mix	The product is stable.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	The product is stable.
SureSelect Block 2	The product is stable.
SureSelect Hyb 3	The product is stable.

SECTION 10: Stability and reactivity

SureSelect RNase Block	The product is stable.
SureSelect Indexing Block 1	The product is stable.
SureSelect Methyl-Seq Block 3	The product is stable.

10.3 Possibility of hazardous reactions

: 10X End Repair Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
5X T4 DNA Ligase Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
Klenow DNA Polymerase	Under normal conditions of storage and use, hazardous reactions will not occur.
T4 DNA Ligase	Under normal conditions of storage and use, hazardous reactions will not occur.
T4 DNA Polymerase	Under normal conditions of storage and use, hazardous reactions will not occur.
T4 Polynucleotide Kinase	Under normal conditions of storage and use, hazardous reactions will not occur.
dNTP Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
10x Klenow Polymerase Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
Exo(-) Klenow	Under normal conditions of storage and use, hazardous reactions will not occur.
dATP	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 Primer F	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 PCR Master Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	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.

SECTION 10: Stability and reactivity

10.4 Conditions to avoid	:	10X End Repair Buffer	No specific data.
		5X T4 DNA Ligase Buffer	No specific data.
		Klenow DNA Polymerase	No specific data.
		T4 DNA Ligase	No specific data.
		T4 DNA Polymerase	No specific data.
		T4 Polynucleotide Kinase	No specific data.
		dNTP Mix	No specific data.
		10x Klenow Polymerase Buffer	No specific data.
		Exo(-) Klenow	No specific data.
		dATP	No specific data.
		SureSelect Methyl-Seq Methylated Adapter	No specific data.
		SureSelect Methyl-Seq Indexing Primer Common	No specific data.
		SureSelect Methyl-Seq PCR1 Primer F	No specific data.
		SureSelect Methyl-Seq PCR1 primer R	No specific data.
		SureSelect Methyl-Seq PCR Master Mix	No specific data.
		SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect Indexing Block 1	No specific data.
		SureSelect Methyl-Seq Block 3	No specific data.
10.5 Incompatible 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.
		Exo(-) Klenow	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 Indexing Primer Common	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 PCR1 primer R	May react or be incompatible with oxidising materials.
		SureSelect Methyl-Seq PCR Master Mix	May react or be incompatible with oxidising materials.

SECTION 10: Stability and reactivity

SureSelect Methyl-Seq Library Prep Kit	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.
SureSelect Elution Buffer	Reactive or incompatible with the following materials: acids
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 Indexing Block 1	May react or be incompatible with oxidising materials.
SureSelect Methyl-Seq Block 3	May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products

: 10X End Repair Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
5X T4 DNA Ligase Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Klenow DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Ligase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 Polynucleotide Kinase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
dNTP Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10x Klenow Polymerase Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Exo(-) Klenow	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
dATP	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq Methylated Adapter	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 Methyl-Seq PCR1 Primer F	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 PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Methyl-Seq Library Prep Kit	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.

SECTION 10: Stability and reactivity

SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Elution Buffer	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 Indexing Block 1	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.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
SureSelect Hyb 1 Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
SureSelect Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	LD50 Oral	Rat	2 g/kg	-
SureSelect Binding Buffer Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-

Acute toxicity estimates

Route	ATE value
10X End Repair Buffer Oral	32467.5 mg/kg
SureSelect Hyb 2 Oral	13698.6 mg/kg
SureSelect Hyb 4 Dermal	81232.5 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
SureSelect Hyb 1 Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
SureSelect Binding Buffer Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitiser

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 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
(R*,R*)-1,4-Dimercaptobutane-2,3-diol	Category 3	Not applicable.	Respiratory tract irritation
5X T4 DNA Ligase Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
10x Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

10X End Repair Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
5X T4 DNA Ligase Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
Klenow DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation.
T4 DNA Ligase	Routes of entry anticipated: Oral, Dermal, Inhalation.
T4 DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation.
T4 Polynucleotide Kinase	Routes of entry anticipated: Oral, Dermal, Inhalation.
dNTP Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
10x Klenow Polymerase Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
Exo(-) Klenow dATP	Routes of entry anticipated: Oral, Dermal, Inhalation. Not available.
SureSelect Methyl-Seq Methylated Adapter	Not available.
SureSelect Methyl-Seq Indexing Primer Common	Not available.
SureSelect Methyl-Seq PCR1 Primer F	Not available.
SureSelect Methyl-Seq PCR1 primer R	Not available.
SureSelect Methyl-Seq PCR Master Mix	Not available.
SureSelect Methyl-Seq Library Prep Kit	Not available.
SureSelect Hyb 1	Routes of entry anticipated: Oral, Dermal, Inhalation.
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 Elution Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect Block 2	Not available.
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect Indexing Block 1	Routes of entry anticipated: Oral, Dermal, Inhalation.
SureSelect Methyl-Seq Block 3	Not available.

SECTION 11: Toxicological informationPotential acute health effects

Inhalation	:	10X End Repair Buffer	No known significant effects or critical hazards.	
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.	
		Klenow DNA Polymerase	No known significant effects or critical hazards.	
		T4 DNA Ligase	No known significant effects or critical hazards.	
		T4 DNA Polymerase	No known significant effects or critical hazards.	
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.	
		dNTP Mix	No known significant effects or critical hazards.	
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.	
		Exo(-) Klenow dATP	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.	
	Ingestion	:	10X End Repair Buffer	No known significant effects or critical hazards.
			5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
			Klenow DNA Polymerase	No known significant effects or critical hazards.
			T4 DNA Ligase	No known significant effects or critical hazards.
			T4 DNA Polymerase	No known significant effects or critical hazards.
			T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.	
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.	
		Exo(-) Klenow dATP	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.	
		SureSelect Methyl-Seq PCR1 primer R	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 Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
Skin contact	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Eye contact	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	Causes serious eye irritation.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Indexing Primer	No known significant effects or critical hazards.
		Common	
		SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Library Prep Kit	No known significant effects or critical hazards.
		SureSelect Hyb 1	Causes serious eye irritation.
		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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	:	10X End Repair Buffer	No specific data.
		5X T4 DNA Ligase Buffer	No specific data.
		Klenow DNA Polymerase	No specific data.
		T4 DNA Ligase	No specific data.
		T4 DNA Polymerase	No specific data.
		T4 Polynucleotide Kinase	No specific data.
		dNTP Mix	No specific data.
		10x Klenow Polymerase Buffer	No specific data.
		Exo(-) Klenow	No specific data.
		dATP	No specific data.
		SureSelect Methyl-Seq Methylated Adapter	No specific data.
		SureSelect Methyl-Seq Indexing Primer	No specific data.
		Common	
		SureSelect Methyl-Seq PCR1 Primer F	No specific data.
		SureSelect Methyl-Seq PCR1 primer R	No specific data.
		SureSelect Methyl-Seq PCR Master Mix	No specific data.

SECTION 11: Toxicological information

	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Methyl-Seq Block 3	No specific data.
Ingestion	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10x Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Methyl-Seq Methylated Adapter	No specific data.
	SureSelect Methyl-Seq Indexing Primer Common	No specific data.
	SureSelect Methyl-Seq PCR1 Primer F	No specific data.
	SureSelect Methyl-Seq PCR1 primer R	No specific data.
	SureSelect Methyl-Seq PCR Master Mix	No specific data.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Methyl-Seq Block 3	No specific data.

SECTION 11: Toxicological information

Skin contact	:	10X End Repair Buffer	No specific data.
		5X T4 DNA Ligase Buffer	No specific data.
		Klenow DNA Polymerase	No specific data.
		T4 DNA Ligase	No specific data.
		T4 DNA Polymerase	No specific data.
		T4 Polynucleotide Kinase	No specific data.
		dNTP Mix	No specific data.
		10x Klenow Polymerase Buffer	No specific data.
		Exo(-) Klenow	No specific data.
		dATP	No specific data.
		SureSelect Methyl-Seq Methylated Adapter	No specific data.
		SureSelect Methyl-Seq Indexing Primer Common	No specific data.
		SureSelect Methyl-Seq PCR1 Primer F	No specific data.
		SureSelect Methyl-Seq PCR1 primer R	No specific data.
		SureSelect Methyl-Seq PCR Master Mix	No specific data.
		SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect Indexing Block 1	No specific data.
		SureSelect Methyl-Seq Block 3	No specific data.
Eye contact	:	10X End Repair Buffer	No specific data.
		5X T4 DNA Ligase Buffer	Adverse symptoms may include the following: pain or irritation watering redness
		Klenow DNA Polymerase	No specific data.
		T4 DNA Ligase	No specific data.
		T4 DNA Polymerase	No specific data.
		T4 Polynucleotide Kinase	No specific data.
		dNTP Mix	No specific data.
		10x Klenow Polymerase Buffer	No specific data.
		Exo(-) Klenow	No specific data.
		dATP	No specific data.
		SureSelect Methyl-Seq Methylated Adapter	No specific data.
		SureSelect Methyl-Seq Indexing Primer Common	No specific data.
		SureSelect Methyl-Seq PCR1 Primer F	No specific data.
		SureSelect Methyl-Seq PCR1 primer R	No specific data.

SECTION 11: Toxicological information

SureSelect Methyl-Seq PCR Master Mix	No specific data.
SureSelect Methyl-Seq Library Prep Kit	No specific data.
SureSelect Hyb 1	Adverse symptoms may include the following: pain or irritation watering redness
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 Elution Buffer	No specific data.
SureSelect Block 2	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect RNase Block	No specific data.
SureSelect Indexing Block 1	No specific data.
SureSelect Methyl-Seq Block 3	No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Library Prep Kit	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.

SECTION 11: Toxicological information

	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
Carcinogenicity	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Mutagenicity	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
Teratogenicity	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
		SureSelect Methyl-Seq	No known significant effects or critical hazards.

SECTION 11: Toxicological information

	Library Prep Kit	
	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.
Developmental effects	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow dATP	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
	SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
	SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.

SECTION 11: Toxicological information

Fertility effects	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Methylated Adapter	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Indexing Primer Common	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 Primer F	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR1 primer R	No known significant effects or critical hazards.
		SureSelect Methyl-Seq PCR Master Mix	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	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 Indexing Block 1	No known significant effects or critical hazards.
		SureSelect Methyl-Seq Block 3	No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
10X End Repair Buffer (R*,R*)-1, 4-Dimercaptobutane-2,3-diol	Acute LC50 27000 to 30000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
SureSelect Hyb 1 Sodium chloride	Acute EC50 2430000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 28.85 mg/dm3 Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 519.6 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute IC50 6.87 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 1661 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks
Chronic NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours	
Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days	

SECTION 12: Ecological information

SureSelect Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate SureSelect Binding Buffer Sodium chloride	Chronic NOEC 100 mg/l Fresh water	Fish - Gambusia holbrooki - Adult	8 weeks
	Acute LC50 320 mg/l Fresh water	Fish	96 hours
	Acute EC50 2430000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 28.85 mg/dm ³ Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 519.6 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute IC50 6.87 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 1661 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks
	Chronic NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days	
Chronic NOEC 100 mg/l Fresh water	Fish - Gambusia holbrooki - Adult	8 weeks	

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
SureSelect Hyb 2 Disodium dihydrogen ethylenediaminetetraacetate	-4.3	1.8	low

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

Date of issue/Date of revision : 31/01/2017

87/91

SECTION 13: Disposal considerations

- 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information**Regulatory information**

ADR/RID / IMDG / IATA : Not regulated.

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 Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Regulation (EC) No. 1907/2006 (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.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Methyl-Seq Methylated Adapter	Not applicable.
	SureSelect Methyl-Seq Indexing Primer Common	Not applicable.
	SureSelect Methyl-Seq PCR1 Primer F	Not applicable.
	SureSelect Methyl-Seq PCR1 primer R	Not applicable.
	SureSelect Methyl-Seq PCR Master Mix	Not applicable.
	SureSelect Methyl-Seq Library Prep Kit	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 Elution Buffer	Not applicable.	
SureSelect Block 2	Not applicable.	

Date of issue/Date of revision : 31/01/2017

SECTION 15: Regulatory information

SureSelect Hyb 3	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Methyl-Seq Block 3	Not applicable.

Other EU regulations

Europe inventory : Not determined.

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

International lists

National inventory

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Japan	: Japan inventory (ENCS) : Not determined. Japan inventory (ISHL) : Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Turkey	: Not determined.
United States	: Not determined.

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

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]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
5X T4 DNA Ligase Buffer Eye Irrit. 2, H319	Expert judgment
SureSelect Hyb 1 Eye Irrit. 2, H319	Calculation method

Full text of abbreviated H statements

10X End Repair Buffer H302 H315 H319 H335 H412	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Harmful to aquatic life with long lasting effects.
5X T4 DNA Ligase Buffer H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
10x Klenow Polymerase Buffer H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
SureSelect Hyb 1 H319	Causes serious eye irritation.
SureSelect Hyb 2 H302	Harmful if swallowed.
SureSelect Binding Buffer H319	Causes serious eye irritation.

Full text of classifications [CLP/GHS]

10X End Repair Buffer Acute Tox. 4, H302 Aquatic Chronic 3, H412 Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	ACUTE TOXICITY (oral) - Category 4 LONG-TERM AQUATIC HAZARD - Category 3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
5X T4 DNA Ligase Buffer Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
10x Klenow Polymerase Buffer Eye Irrit. 2, H319 Skin Irrit. 2, H315	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2

SECTION 16: Other information

STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
SureSelect Hyb 1 Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
SureSelect Hyb 2 Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
SureSelect Binding Buffer Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Date of issue/ Date of revision : 31/01/2017

Date of previous issue : No previous validation.

Version : 1

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