

SAFETY DATA SHEET

Product: SureSelect XT Reagent Kit-S5500 - 96 Samples, Part Number G9615B

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

1.1 Product identifier

Product name	: Product: SureSelect XT Reagent Kit-S5500 - 96 Samples, Part Number G9615B
Part No. (Kit)	: G9615B
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 5190-3611 Buffer Exo(-) Klenow 5190-3613 dATP 5190-3617 SureSelect LTI5500 P1 5190-5463 SureSelect LTI5500 IA 5190-5464 SureSelect LTI Pre 5190-5465 Capture Primer SureSelect LTI5500 5190-5462 BC1-BC96 Plate SureSelect RNase Block 5972-3700 SureSelect Hyb #3 5190-4385 SureSelect Block #2 5972-3698 SureSelect Indexing 5972-3697 Block #1 SureSelect LT Indexing 5190-4448 Block #3 SureSelect Hyb #1 5190-4404 SureSelect Hyb #2 5190-4405 SureSelect Hyb #4 5190-4406 SureSelect Binding 5190-4407 Buffer SureSelect Wash Buffer 5190-4408 1 SureSelect Wash Buffer 5190-4409 2

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

Identified uses	
Analytical reagent.	
10X End-Repair Buffer	1.4 ml
5X T4 DNA Ligase Buffer	1.4 ml
Klenow DNA Polymerase	0.286 ml
T4 DNA Ligase	0.214 ml
T4 DNA Polymerase	0.143 ml
T4 Polynucleotide Kinase	0.315 ml
dNTP Mix	0.229 ml
10x Klenow Polymerase Buffer	0.81 ml
Exo(-) Klenow	0.49 ml
dATP	0.16 ml
SureSelect LTI5500 P1	0.617 ml
SureSelect LTI5500 IA	0.710 ml
SureSelect LTI Pre Capture Primer	1.1 ml
SureSelect LTI5500 BC1-BC96 Plate	1.44 ml (0.015 ml x 96 wells)
SureSelect RNase Block	0.07 ml
SureSelect Hyb #3	0.96 ml

Date of issue/Date of revision : 02/10/2014

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SureSelect Block #2	0.3 ml
SureSelect Indexing Block #1	0.3 ml
SureSelect LT Indexing Block #3	0.058 ml
SureSelect Hyb #1	2.4 ml
SureSelect Hyb #2	0.096 ml
SureSelect Hyb #4	1.25 ml
SureSelect Binding Buffer	76.8 ml
SureSelect Wash Buffer 1	48 ml
SureSelect Wash Buffer 2	144 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 LTI5500 P1	Mixture
		SureSelect LTI5500 IA	Mixture
		SureSelect LTI Pre	Mixture
		Capture Primer	
		SureSelect LTI5500	Mixture
		BC1-BC96 Plate	
		SureSelect RNase Block	Mixture
		SureSelect Hyb 3	Mixture
		SureSelect Block 2	Mixture
		SureSelect Indexing Block #1	Mixture
		SureSelect LT Indexing Block #3	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

SECTION 2: Hazards identification

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

Klenow DNA Polymerase H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
T4 DNA Ligase H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
T4 DNA Polymerase H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
T4 Polynucleotide Kinase H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
Exo(-) Klenow H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
SureSelect RNase Block H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
SureSelect Hyb #1 H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
SureSelect Hyb #4 H317	SKIN SENSITIZATION - Category 1

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	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 5.7%
	10x Klenow Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 7.9%
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect LTI5500 P1	Not applicable.
	SureSelect LTI5500 IA	Not applicable.
	SureSelect LTI Pre	Not applicable.
	Capture Primer	
	SureSelect LTI5500	Not applicable.
	BC1-BC96 Plate	
	SureSelect RNase Block	Not applicable.
	SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3%
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block #1	Not applicable.
SureSelect LT Indexing Block #3	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.	

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Ingredients of unknown ecotoxicity	: 10X End-Repair Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.3%
	5X T4 DNA Ligase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 4.9%
	Klenow DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
	T4 DNA Ligase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
	T4 DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
	T4 Polynucleotide Kinase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
	dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.7%
	10x Klenow Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9.3%
	Exo(-) Klenow	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
	dATP	Not applicable.
	SureSelect LTI5500 P1	Not applicable.
	SureSelect LTI5500 IA	Not applicable.
	SureSelect LTI Pre Capture Primer	Not applicable.
	SureSelect LTI5500 BC1-BC96 Plate	Not applicable.
	SureSelect RNase Block	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 50%
	SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3%
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block #1	Not applicable.
	SureSelect LT Indexing Block #3	Not applicable.
	SureSelect Hyb #1	Not applicable.
	SureSelect Hyb #2	Not applicable.
	SureSelect Hyb #4	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.

Classification according to Directive 1999/45/EC [DPD]

10X End-Repair Buffer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
5X T4 DNA Ligase Buffer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Klenow DNA Polymerase	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
T4 DNA Ligase	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
T4 DNA Polymerase	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
T4 Polynucleotide Kinase	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
dNTP Mix	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
10x Klenow Polymerase Buffer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
Exo(-) Klenow	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
dATP	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect LTI5500 P1	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect LTI5500 IA	The product is not classified as dangerous according to Directive 1999/45/EC

SECTION 2: Hazards identification

SureSelect LTI Pre Capture Primer	and its amendments. The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect LTI5500 BC1-BC96 Plate	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect RNase Block	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Hyb 3	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Block 2	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Indexing Block #1	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect LT Indexing Block #3	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Hyb #1	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Hyb #2	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Hyb #4	The product is classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Binding Buffer	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Wash Buffer 1	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.
SureSelect Wash Buffer 2	The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification	:	10X End-Repair Buffer	Not classified.
		5X T4 DNA Ligase Buffer	Not classified.
		Klenow DNA Polymerase	Not classified.
		T4 DNA Ligase	Not classified.
		T4 DNA Polymerase	Not classified.
		T4 Polynucleotide Kinase	Not classified.
		dNTP Mix	Not classified.
		10x Klenow Polymerase Buffer	Not classified.
		Exo(-) Klenow	Not classified.
		dATP	Not classified.
		SureSelect LTI5500 P1	Not classified.
		SureSelect LTI5500 IA	Not classified.
		SureSelect LTI Pre Capture Primer	Not classified.
		SureSelect LTI5500 BC1-BC96 Plate	Not classified.
		SureSelect RNase Block	Not classified.
		SureSelect Hyb 3	Not classified.
		SureSelect Block 2	Not classified.
		SureSelect Indexing Block #1	Not classified.
		SureSelect LT Indexing Block #3	Not classified.
		SureSelect Hyb #1	Not classified.
		SureSelect Hyb #2	Not classified.
		SureSelect Hyb #4	R43
		SureSelect Binding Buffer	Not classified.
		SureSelect Wash Buffer 1	Not classified.
		SureSelect Wash Buffer 2	Not classified.

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Human health hazards	:	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 LTI5500 P1	Not applicable.
		SureSelect LTI5500 IA	Not applicable.
		SureSelect LTI Pre	Not applicable.
		Capture Primer	
		SureSelect LTI5500	Not applicable.
		BC1-BC96 Plate	
		SureSelect RNase Block	Not applicable.
		SureSelect Hyb 3	Not applicable.
		SureSelect Block 2	Not applicable.
		SureSelect Indexing Block #1	Not applicable.
		SureSelect LT Indexing Block #3	Not applicable.
		SureSelect Hyb #1	Not applicable.
		SureSelect Hyb #2	Not applicable.
		SureSelect Hyb #4	May cause sensitisation by skin contact.
		SureSelect Binding Buffer	Not applicable.
		SureSelect Wash Buffer 1	Not applicable.
		SureSelect Wash Buffer 2	Not applicable.

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

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

2.2 Label elements

Hazard pictograms



Signal word

:	10X End-Repair Buffer	No signal word.
	5X T4 DNA Ligase Buffer	No signal word.
	Klenow DNA Polymerase	Warning
	T4 DNA Ligase	Warning
	T4 DNA Polymerase	Warning
	T4 Polynucleotide Kinase	Warning
	dNTP Mix	No signal word.
	10x Klenow Polymerase Buffer	No signal word.
	Exo(-) Klenow	Warning
	dATP	No signal word.
	SureSelect LTI5500 P1	No signal word.
	SureSelect LTI5500 IA	No signal word.
	SureSelect LTI Pre	No signal word.
	Capture Primer	
	SureSelect LTI5500	No signal word.
	BC1-BC96 Plate	
	SureSelect RNase Block	Warning
	SureSelect Hyb 3	No signal word.
	SureSelect Block 2	No signal word.
	SureSelect Indexing Block #1	No signal word.

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	SureSelect LT Indexing Block #3	No signal word.
	SureSelect Hyb #1	Warning
	SureSelect Hyb #2	No signal word.
	SureSelect Hyb #4	Warning
	SureSelect Binding Buffer	No signal word.
	SureSelect Wash Buffer 1	No signal word.
	SureSelect Wash Buffer 2	No signal word.
Hazard statements	: 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	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	T4 DNA Ligase	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	T4 DNA Polymerase	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	T4 Polynucleotide Kinase	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	dATP	No known significant effects or critical hazards.
	SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
	SureSelect RNase Block	GHS08 - May cause damage to organs through prolonged or repeated exposure.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing Block #1	No known significant effects or critical hazards.
	SureSelect LT Indexing Block #3	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	GHS07 - May cause an allergic skin reaction.
	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.

Precautionary statements

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Prevention	:	10X End-Repair Buffer	Not applicable.
		5X T4 DNA Ligase Buffer	Not applicable.
		Klenow DNA Polymerase	P260 - Do not breathe vapour.
		T4 DNA Ligase	P260 - Do not breathe vapour.
		T4 DNA Polymerase	P260 - Do not breathe vapour.
		T4 Polynucleotide Kinase	P260 - Do not breathe vapour.
		dNTP Mix	Not applicable.
		10x Klenow Polymerase Buffer	Not applicable.
		Exo(-) Klenow dATP	P260 - Do not breathe vapour. Not applicable.
		SureSelect LTI5500 P1	Not applicable.
		SureSelect LTI5500 IA	Not applicable.
		SureSelect LTI Pre Capture Primer	Not applicable.
		SureSelect LTI5500 BC1-BC96 Plate	Not applicable.
		SureSelect RNase Block	P260 - Do not breathe vapour.
		SureSelect Hyb 3	Not applicable.
		SureSelect Block 2	Not applicable.
		SureSelect Indexing Block #1	Not applicable.
		SureSelect LT Indexing Block #3	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	P280 - Wear protective gloves. P261 - Avoid breathing vapour. P272 - Contaminated work clothing should not be allowed out of the workplace.
		SureSelect Binding Buffer	Not applicable.
		SureSelect Wash Buffer 1	Not applicable.
		SureSelect Wash Buffer 2	Not applicable.

Response	:	10X End-Repair Buffer	Not applicable.
		5X T4 DNA Ligase Buffer	Not applicable.
		Klenow DNA Polymerase	P314 - Get medical attention if you feel unwell.
		T4 DNA Ligase	P314 - Get medical attention if you feel unwell.
		T4 DNA Polymerase	P314 - Get medical attention if you feel unwell.
		T4 Polynucleotide Kinase	P314 - Get medical attention if you feel unwell.
		dNTP Mix	Not applicable.
		10x Klenow Polymerase Buffer	Not applicable.
		Exo(-) Klenow dATP	P314 - Get medical attention if you feel unwell. Not applicable.
		SureSelect LTI5500 P1	Not applicable.
		SureSelect LTI5500 IA	Not applicable.
		SureSelect LTI Pre Capture Primer	Not applicable.
		SureSelect LTI5500 BC1-BC96 Plate	Not applicable.
		SureSelect RNase Block	P314 - Get medical attention if you feel unwell.
		SureSelect Hyb 3	Not applicable.
		SureSelect Block 2	Not applicable.
		SureSelect Indexing Block #1	Not applicable.
		SureSelect LT Indexing Block #3	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.

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	SureSelect Hyb #4	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical attention.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	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 dATP	Not applicable.
	SureSelect LTI5500 P1	Not applicable.
	SureSelect LTI5500 IA	Not applicable.
	SureSelect LTI Pre Capture Primer	Not applicable.
	SureSelect LTI5500 BC1-BC96 Plate	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block #1	Not applicable.
	SureSelect LT Indexing Block #3	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.
Disposal	: 10X End-Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	T4 DNA Ligase	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	T4 DNA Polymerase	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	T4 Polynucleotide Kinase	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	dATP	Not applicable.
	SureSelect LTI5500 P1	Not applicable.
	SureSelect LTI5500 IA	Not applicable.
	SureSelect LTI Pre Capture Primer	Not applicable.
	SureSelect LTI5500 BC1-BC96 Plate	Not applicable.

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SureSelect RNase Block	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
SureSelect Hyb 3	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Indexing Block #1	Not applicable.
SureSelect LT Indexing Block #3	Not applicable.
SureSelect Hyb #1	Not applicable.
SureSelect Hyb #2	Not applicable.
SureSelect Hyb #4	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.

Hazardous ingredients

: **Klenow DNA Polymerase**
Glycerol

T4 DNA Ligase
Glycerol

T4 DNA Polymerase
Glycerol

T4 Polynucleotide Kinase
Glycerol

Exo(-) Klenow
Glycerol

SureSelect RNase Block
Glycerol

SureSelect Hyb #1
Sodium chloride

SureSelect Hyb #4
Sulfuric acid monododecyl ester sodium salt (1:1)

Supplemental label elements

: 10X End-Repair Buffer	Safety data sheet available on request.
5X T4 DNA Ligase Buffer	Safety data sheet available on request.
Klenow DNA Polymerase	Safety data sheet available on request.
T4 DNA Ligase	Safety data sheet available on request.
T4 DNA Polymerase	Safety data sheet available on request.
T4 Polynucleotide Kinase	Safety data sheet available on request.
dNTP Mix	Safety data sheet available on request.
10x Klenow Polymerase Buffer	Safety data sheet available on request.
Exo(-) Klenow	Safety data sheet available on request.
dATP	Safety data sheet available on request.
SureSelect LTI5500 P1	Safety data sheet available on request.
SureSelect LTI5500 IA	Safety data sheet available on request.
SureSelect LTI Pre Capture Primer	Safety data sheet available on request.
SureSelect LTI5500 BC1-BC96 Plate	Safety data sheet available on request.
SureSelect RNase Block	Safety data sheet available on request.
SureSelect Hyb 3	Safety data sheet available on request.
SureSelect Block 2	Safety data sheet available on request.
SureSelect Indexing Block #1	Safety data sheet available on request.
SureSelect LT Indexing Block #3	Safety data sheet available on request.

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SureSelect Hyb #1	Safety data sheet available on request.
SureSelect Hyb #2	Safety data sheet available on request.
SureSelect Hyb #4	Safety data sheet available on request.
SureSelect Binding Buffer	Safety data sheet available on request.
SureSelect Wash Buffer 1	Safety data sheet available on request.
SureSelect Wash Buffer 2	Safety data sheet available on request.

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 dATP	Not applicable.
SureSelect LTI5500 P1	Not applicable.
SureSelect LTI5500 IA	Not applicable.
SureSelect LTI Pre Capture Primer	Not applicable.
SureSelect LTI5500 BC1-BC96 Plate	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Indexing Block #1	Not applicable.
SureSelect LT Indexing Block #3	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.

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 dATP	None known.
SureSelect LTI5500 P1	None known.
SureSelect LTI5500 IA	None known.
SureSelect LTI Pre Capture Primer	None known.
SureSelect LTI5500 BC1-BC96 Plate	None known.
SureSelect RNase Block	None known.
SureSelect Hyb 3	None known.

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SureSelect Block 2	None known.
SureSelect Indexing Block #1	None known.
SureSelect LT Indexing Block #3	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.

SECTION 3: Composition/information on ingredients

Substance/mixture	:	10X End-Repair Buffer	Mixture
		5X T4 DNA Ligase Buffer	Mixture
		Klenow DNA Polymerase	Mixture
		T4 DNA Ligase	Mixture
		T4 DNA Polymerase	Mixture
		T4 Polynucleotide Kinase	Mixture
		dNTP Mix	Mixture
		10x Klenow Polymerase Buffer	Mixture
		Exo(-) Klenow dATP	Mixture
		SureSelect LTI5500 P1	Mixture
		SureSelect LTI5500 IA	Mixture
		SureSelect LTI Pre Capture Primer	Mixture
		SureSelect LTI5500 BC1-BC96 Plate	Mixture
		SureSelect RNase Block	Mixture
		SureSelect Hyb 3	Mixture
		SureSelect Block 2	Mixture
		SureSelect Indexing Block #1	Mixture
		SureSelect LT Indexing Block #3	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

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
10X End-Repair Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	>=5 - <10	Xi; R36/37/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation)	[1]
(R*,R*)-1,4-Dimercaptobutane-2,	EC: 222-468-7 CAS: 3483-12-3	>=1 - <3	Xn; R22 Xi; R36/37/38	Acute Tox. 4, H302 Skin Irrit. 2, H315	[1]

SECTION 3: Composition/information on ingredients

3-diol				Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation) Aquatic Chronic 3, H412	
5X T4 DNA Ligase Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	>=1 - <5	Xi; R36/37/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation)	[1]
Klenow DNA Polymerase Glycerol	EC: 200-289-5 CAS: 56-81-5	>=50 - <75	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
T4 DNA Ligase Glycerol	EC: 200-289-5 CAS: 56-81-5	>=50 - <75	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
T4 DNA Polymerase Glycerol	EC: 200-289-5 CAS: 56-81-5	>=50 - <75	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
T4 Polynucleotide Kinase Glycerol	EC: 200-289-5 CAS: 56-81-5	>=50 - <75	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
10x Klenow Polymerase Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	>=5 - <10	Xi; R36/37/38	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 (Respiratory tract irritation)	[1]
Exo(-) Klenow Glycerol	EC: 200-289-5 CAS: 56-81-5	>=50 - <75	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
SureSelect RNase Block Glycerol	EC: 200-289-5 CAS: 56-81-5	>=50 - <75	Not classified.	STOT RE 2, H373 (kidneys) (inhalation)	[1]
SureSelect Hyb #1 Sodium chloride	EC: 231-598-3 CAS: 7647-14-5	>=10 - <20	Xi; R36	Eye Irrit. 2, H319	[1]
SureSelect Hyb #2 Disodium dihydrogen ethylenediaminetetraacetate	EC: 205-358-3 CAS: 139-33-3	>=7 - <25	Xn; R22	Acute Tox. 4, H302	[1]
SureSelect Hyb #4 Sulfuric acid monododecyl ester sodium salt (1:1)	CAS: 8012-56-4	>=1 - <3	Xn; R22 Xi; R36/37/38 R43	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335 (Respiratory tract irritation)	[1]

SECTION 3: Composition/information on ingredients

SureSelect Binding Buffer Sodium chloride	EC: 231-598-3 CAS: 7647-14-5	>=5 - <10	Xi; R36 See Section 16 for the full text of the R-phrases declared above.	Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.	[1]
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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

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

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. Get medical attention if irritation occurs.
	Klenow DNA Polymerase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	T4 DNA Ligase	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 following exposure or if feeling unwell.
	T4 DNA Polymerase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	T4 Polynucleotide Kinase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	dNTP Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	10x Klenow Polymerase Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Exo(-) Klenow	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
	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 LTI5500 P1	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 LTI5500 IA	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.

SECTION 4: First aid measures

SureSelect LTI Pre Capture Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect LTI5500 BC1-BC96 Plate	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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell.
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 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 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 LT Indexing Block #3	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect 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. Continue to rinse for at least 10 minutes. 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 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 Wash Buffer 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.
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. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Klenow DNA Polymerase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
T4 DNA Ligase	Remove victim to fresh air and keep at rest in a position

SECTION 4: First aid measures

	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 following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
T4 DNA Polymerase	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 following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
T4 Polynucleotide Kinase	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 following exposure or if feeling unwell. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
dNTP Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
10x Klenow Polymerase Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Exo(-) Klenow	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 following exposure or if feeling unwell. 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.
dATP	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect LTI5500 P1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect LTI5500 IA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect LTI Pre Capture Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect LTI5500 BC1-BC96 Plate	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if

SECTION 4: First aid measures

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

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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.
		Klenow DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		T4 DNA Ligase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		T4 DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		T4 Polynucleotide Kinase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		dNTP Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		10x Klenow Polymerase Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		Exo(-) Klenow	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		dATP	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		SureSelect LTI5500 P1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		SureSelect LTI5500 IA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		SureSelect LTI Pre Capture Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		SureSelect LTI5500 BC1-BC96 Plate	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. Continue to rinse for at least 10 minutes. Get medical attention following exposure or if feeling unwell. Wash clothing before reuse. Clean shoes thoroughly before reuse.
		SureSelect Hyb 3	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 Indexing Block #1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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SureSelect LT Indexing Block #3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Hyb #1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. 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	Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
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.
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 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.
Klenow DNA Polymerase	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
T4 DNA Ligase	Loosen tight clothing such as a collar, tie, belt or waistband. 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 following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
T4 DNA Polymerase	Loosen tight clothing such as a collar, tie, belt or waistband. Wash out mouth with water. Remove dentures if any.

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	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 following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
T4 Polynucleotide Kinase	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
dNTP Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
10x Klenow Polymerase Buffer	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Exo(-) Klenow	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. 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.
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 LTI5500 P1	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 LTI5500 IA	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

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SureSelect LTI Pre Capture Primer	conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect LTI5500 BC1-BC96 Plate	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 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 following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
SureSelect Hyb 3	Loosen tight clothing such as a collar, tie, belt or waistband. 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 Block 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 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 LT Indexing 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.
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

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SureSelect Hyb #2	or waistband. 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 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 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.
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.
Klenow DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
T4 DNA Ligase	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
T4 DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
T4 Polynucleotide Kinase	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
dNTP Mix	No action shall be taken involving any personal risk or without suitable training.
10x Klenow Polymerase Buffer	No action shall be taken involving any personal risk or without suitable training.
Exo(-) Klenow	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
dATP	No action shall be taken involving any personal risk or without suitable training.
SureSelect LT15500 P1	No action shall be taken involving any personal risk or

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SureSelect LT15500 IA	without suitable training. No action shall be taken involving any personal risk or without suitable training.
SureSelect LTI Pre Capture Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect LT15500 BC1-BC96 Plate	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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
SureSelect Hyb 3	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 Indexing Block #1	No action shall be taken involving any personal risk or without suitable training.
SureSelect LT Indexing Block #3	No action shall be taken involving any personal risk or 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
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.

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	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 LT15500 P1	No known significant effects or critical hazards.
		SureSelect LT15500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
		SureSelect LT15500 BC1-BC96 Plate	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing Block #1	No known significant effects or critical hazards.
		SureSelect LT Indexing Block #3	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.

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	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.
Inhalation	: 10X End-Repair Buffer	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	5X T4 DNA Ligase Buffer	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	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	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	10x Klenow Polymerase Buffer	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	Exo(-) Klenow dATP	No known significant effects or critical hazards.
	SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Hyb 3	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing Block #1	No known significant effects or critical hazards.
	SureSelect LT Indexing Block #3	No known significant effects or critical hazards.
	SureSelect Hyb #1	No known significant effects or critical hazards.
	SureSelect Hyb #2	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
	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.
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 LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
	SureSelect LTI5500 BC1-BC96 Plate	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing	No known significant effects or critical hazards.

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	Block #1	
	SureSelect LT Indexing	No known significant effects or critical hazards.
	Block #3	
	SureSelect Hyb #1	No known significant effects or critical hazards.
	SureSelect Hyb #2	No known significant effects or critical hazards.
	SureSelect Hyb #4	May cause an allergic skin reaction.
	SureSelect Binding	No known significant effects or critical hazards.
	Buffer	
	SureSelect Wash Buffer	No known significant effects or critical hazards.
	1	
	SureSelect Wash Buffer	No known significant effects or critical hazards.
	2	
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	No known significant effects or critical hazards.
	Buffer	
	Exo(-) Klenow	No known significant effects or critical hazards.
	dATP	No known significant effects or critical hazards.
	SureSelect LTI5500 P1	No known significant effects or critical hazards.
	SureSelect LTI5500 IA	No known significant effects or critical hazards.
	SureSelect LTI Pre	No known significant effects or critical hazards.
	Capture Primer	
	SureSelect LTI5500	No known significant effects or critical hazards.
	BC1-BC96 Plate	
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Hyb 3	No known significant effects or critical hazards.
	SureSelect Block 2	No known significant effects or critical hazards.
	SureSelect Indexing	No known significant effects or critical hazards.
	Block #1	
	SureSelect LT Indexing	No known significant effects or critical hazards.
	Block #3	
	SureSelect Hyb #1	Irritating to mouth, throat and stomach.
	SureSelect Hyb #2	No known significant effects or critical hazards.
	SureSelect Hyb #4	No known significant effects or critical hazards.
	SureSelect Binding	No known significant effects or critical hazards.
	Buffer	
	SureSelect Wash Buffer	No known significant effects or critical hazards.
	1	
	SureSelect Wash Buffer	No known significant effects or critical hazards.
	2	

Over-exposure signs/symptoms

Eye 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	No specific data.
	Buffer	
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre	No specific data.
	Capture Primer	
	SureSelect LTI5500	No specific data.
	BC1-BC96 Plate	
	SureSelect RNase Block	No specific data.
	SureSelect Hyb 3	No specific data.

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	SureSelect Block 2	No specific data.
	SureSelect Indexing Block #1	No specific data.
	SureSelect LT Indexing Block #3	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.
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 LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre Capture Primer	No specific data.
	SureSelect LTI5500	No specific data.
	BC1-BC96 Plate	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Hyb 3	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block #1	No specific data.
	SureSelect LT Indexing Block #3	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.
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 LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre Capture Primer	No specific data.

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SureSelect LTI5500	No specific data.
BC1-BC96 Plate	
SureSelect RNase Block	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing	No specific data.
Block #1	
SureSelect LT Indexing	No specific data.
Block #3	
SureSelect Hyb #1	No specific data.
SureSelect Hyb #2	No specific data.
SureSelect Hyb #4	Adverse symptoms may include the following: irritation redness
SureSelect Binding	No specific data.
Buffer	
SureSelect Wash Buffer	No specific data.
1	
SureSelect Wash Buffer	No specific data.
2	

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	No specific data.
Buffer	
Exo(-) Klenow	No specific data.
dATP	No specific data.
SureSelect LTI5500 P1	No specific data.
SureSelect LTI5500 IA	No specific data.
SureSelect LTI Pre	No specific data.
Capture Primer	
SureSelect LTI5500	No specific data.
BC1-BC96 Plate	
SureSelect RNase Block	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing	No specific data.
Block #1	
SureSelect LT Indexing	No specific data.
Block #3	
SureSelect Hyb #1	No specific data.
SureSelect Hyb #2	No specific data.
SureSelect Hyb #4	No specific data.
SureSelect Binding	No specific data.
Buffer	
SureSelect Wash Buffer	No specific data.
1	
SureSelect Wash Buffer	No specific data.
2	

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

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T4 DNA Polymerase	immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist
T4 Polynucleotide Kinase	immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist
dNTP Mix	immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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 LTI5500 P1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect LTI5500 IA	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect LTI Pre Capture Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect LTI5500 BC1-BC96 Plate	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Hyb 3	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect Block 2	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 LT Indexing Block #3	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.
Specific treatments	:
10X End-Repair Buffer	No specific treatment.
5X T4 DNA Ligase Buffer	No specific treatment.
Klenow DNA Polymerase	No specific treatment.
T4 DNA Ligase	No specific treatment.
T4 DNA Polymerase	No specific treatment.
T4 Polynucleotide Kinase	No specific treatment.
dNTP Mix	No specific treatment.
10x Klenow Polymerase Buffer	No specific treatment.
Exo(-) Klenow	No specific treatment.
dATP	No specific treatment.
SureSelect LTI5500 P1	No specific treatment.
SureSelect LTI5500 IA	No specific treatment.
SureSelect LTI Pre Capture Primer	No specific treatment.
SureSelect LTI5500 BC1-BC96 Plate	No specific treatment.
SureSelect RNase Block	No specific treatment.

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SureSelect Hyb 3	No specific treatment.
SureSelect Block 2	No specific treatment.
SureSelect Indexing Block #1	No specific treatment.
SureSelect LT Indexing Block #3	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.

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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 dATP	Use an extinguishing agent suitable for the surrounding fire.
SureSelect LTI5500 P1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect LTI5500 IA	Use an extinguishing agent suitable for the surrounding fire.
SureSelect LTI Pre Capture Primer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect LTI5500 BC1-BC96 Plate	Use an extinguishing agent suitable for the surrounding fire.
SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Hyb 3	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Block 2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Indexing Block #1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect LT Indexing Block #3	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.

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 LTI5500 P1	None known.
SureSelect LTI5500 IA	None known.

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SureSelect LTI Pre Capture Primer	None known.
SureSelect LT15500 BC1-BC96 Plate	None known.
SureSelect RNase Block	None known.
SureSelect Hyb 3	None known.
SureSelect Block 2	None known.
SureSelect Indexing Block #1	None known.
SureSelect LT Indexing Block #3	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.

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.
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 LT15500 P1	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect LT15500 IA	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect LTI Pre Capture Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect LT15500 BC1-BC96 Plate	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 Hyb 3	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 Indexing Block #1	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect LT Indexing Block #3	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.

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Hazardous combustion products

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.
: 10X End-Repair Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
5X T4 DNA Ligase Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Klenow DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 DNA Ligase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 Polynucleotide Kinase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
dNTP Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
10x Klenow Polymerase Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Exo(-) Klenow	Decomposition products may include the following materials: carbon dioxide carbon monoxide
dATP	No specific data.
SureSelect LT15500 P1	No specific data.
SureSelect LT15500 IA	No specific data.
SureSelect LTI Pre Capture Primer	No specific data.
SureSelect LT15500 BC1-BC96 Plate	No specific data.
SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect Hyb 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
SureSelect Block 2	No specific data.
SureSelect Indexing	No specific data.

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Block #1	
SureSelect LT Indexing	No specific data.
Block #3	
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	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides metal oxide/oxides
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.

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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be

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SureSelect LT15500 BC1-BC96 Plate	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 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 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 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 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 LT Indexing Block #3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb #1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb #2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb #4	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Binding Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
: 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 fire-fighters (including helmets, protective boots and gloves)

Special protective equipment for fire-fighters

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	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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	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 LTI5500 BC1-BC96 Plate	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 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

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	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 Indexing Block #1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. 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 LT Indexing 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.
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.

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. 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	T4 DNA Ligase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	T4 DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	dNTP Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	dATP	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SureSelect LTI5500 P1	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

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SureSelect LT15500 IA	appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect LTI Pre Capture Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect LT15500 BC1-BC96 Plate	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect Hyb 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Block 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Indexing Block #1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect LT Indexing Block #3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect 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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.

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For emergency responders

SureSelect Wash Buffer 1	Do not touch or walk through spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
: 10X End-Repair Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
5X T4 DNA Ligase Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Klenow DNA Polymerase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Ligase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Polymerase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 Polynucleotide Kinase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
dNTP Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
10x Klenow Polymerase Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Exo(-) Klenow	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect LTI5500	If specialised clothing is required to deal with the spillage,

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BC1-BC96 Plate	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 Hyb 3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Block 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 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 LT Indexing Block #3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 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".

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

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	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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect LTI5500 BC1-BC96 Plate	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 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 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 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 LT Indexing Block #3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 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

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	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).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	:	10X End-Repair Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		5X T4 DNA Ligase Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
		Klenow DNA Polymerase	Stop leak if without risk. Move containers from spill 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.

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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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect LTI5500 BC1-BC96 Plate	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect RNase Block	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Hyb 3	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect 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 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 LT Indexing Block #3	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect 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.

SECTION 6: Accidental release measures

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.

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	: 10X End-Repair Buffer	Put on appropriate personal protective equipment (see Section 8).
	5X T4 DNA Ligase Buffer	Put on appropriate personal protective equipment (see Section 8).
	Klenow DNA Polymerase	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	T4 DNA Ligase	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	T4 DNA Polymerase	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	T4 Polynucleotide Kinase	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	dNTP Mix	Put on appropriate personal protective equipment (see Section 8).
	10x Klenow Polymerase Buffer	Put on appropriate personal protective equipment (see Section 8).
	Exo(-) Klenow	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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.

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dATP	hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8).
SureSelect LTI5500 P1	Put on appropriate personal protective equipment (see Section 8).
SureSelect LTI5500 IA	Put on appropriate personal protective equipment (see Section 8).
SureSelect LTI Pre Capture Primer	Put on appropriate personal protective equipment (see Section 8).
SureSelect LTI5500 BC1-BC96 Plate	Put on appropriate personal protective equipment (see Section 8).
SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8). Do not breathe vapour or mist. Do not ingest. Avoid contact with eyes, skin and clothing. 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 3	Put on appropriate personal protective equipment (see Section 8).
SureSelect Block 2	Put on appropriate personal protective equipment (see Section 8).
SureSelect Indexing Block #1	Put on appropriate personal protective equipment (see Section 8).
SureSelect LT Indexing Block #3	Put on appropriate personal protective equipment (see Section 8).
SureSelect Hyb #1	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
SureSelect Hyb #2	Put on appropriate personal protective equipment (see Section 8).
SureSelect Hyb #4	Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. 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 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).
: 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,

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T4 DNA Ligase	drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
T4 DNA Polymerase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
T4 Polynucleotide Kinase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
dNTP Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
10x Klenow Polymerase Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect LTI5500 BC1-BC96 Plate	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

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SureSelect RNase Block	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Hyb 3	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Block 2	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Indexing Block #1	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect LT Indexing Block #3	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Hyb #1	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Hyb #2	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Hyb #4	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Binding Buffer	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Wash Buffer 1	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. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
SureSelect Wash Buffer	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. Eating, drinking and smoking should be prohibited in areas

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2

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

7.2 Conditions for safe storage, including any incompatibilities

: 10X End-Repair Buffer

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

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	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 LTI5500 P1	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 LTI5500 IA	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 LTI Pre Capture Primer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
SureSelect LTI5500 BC1-BC96 Plate	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

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	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 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 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 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 LT Indexing 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 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.

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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.
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.

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 LTI5500 P1	Industrial applications, Professional applications.
SureSelect LTI5500 IA	Industrial applications, Professional applications.
SureSelect LTI Pre Capture Primer	Industrial applications, Professional applications.
SureSelect LTI5500 BC1-BC96 Plate	Industrial applications, Professional applications.
SureSelect RNase Block	Industrial applications, Professional applications.
SureSelect Hyb 3	Industrial applications, Professional applications.
SureSelect Block 2	Industrial applications, Professional applications.
SureSelect Indexing Block #1	Industrial applications, Professional applications.
SureSelect LT Indexing Block #3	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.

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SureSelect Binding Buffer	Industrial applications, Professional applications.
SureSelect Wash Buffer 1	Industrial applications, Professional applications.
SureSelect Wash Buffer 2	Industrial applications, Professional applications.

Industrial sector specific solutions : Not applicable.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limits**

No exposure limit value known.

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.

Derived effect levels

No DNELs available.

Predicted effect concentrations

No PNECs available.

8.2 Exposure controls

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

Individual protection measures

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

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

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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.

SECTION 8: Exposure controls/personal protection

- 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** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- 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 LTI5500 P1 | Liquid. |
| SureSelect LTI5500 IA | Liquid. |
| SureSelect LTI Pre Capture Primer | Liquid. |
| SureSelect LTI5500 BC1-BC96 Plate | Liquid. |
| SureSelect RNase Block | Liquid. |
| SureSelect Hyb 3 | Liquid. |
| SureSelect Block 2 | Liquid. |
| SureSelect Indexing Block #1 | Liquid. |
| SureSelect LT Indexing Block #3 | 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. |
- 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. |

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	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase	Not available.
	Block	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Colourless.
	SureSelect Indexing	Not available.
	Block #1	
	SureSelect LT Indexing	Not available.
	Block #3	
	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	
Odour	: 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 LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase	Not available.
	Block	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Odourless.
	SureSelect Indexing	Not available.
	Block #1	
	SureSelect LT Indexing	Not available.
	Block #3	
	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	

SECTION 9: Physical and chemical properties

Odour threshold	: 10X End-Repair Buffer	Not available.	
	5X T4 DNA Ligase Buffer	Not available.	
	Klenow DNA Polymerase	Not available.	
	T4 DNA Ligase	Not available.	
	T4 DNA Polymerase	Not available.	
	T4 Polynucleotide Kinase	Not available.	
	dNTP Mix	Not available.	
	10x Klenow Polymerase Buffer	Not available.	
	Exo(-) Klenow	Not available.	
	dATP	Not available.	
	SureSelect LT15500 P1	Not available.	
	SureSelect LT15500 IA	Not available.	
	SureSelect LTI Pre Capture Primer	Not available.	
	SureSelect LT15500 BC1-BC96 Plate	Not available.	
	SureSelect RNase Block	Not available.	
	SureSelect Hyb 3	Not available.	
	SureSelect Block 2	Not available.	
	SureSelect Indexing Block #1	Not available.	
	SureSelect LT Indexing Block #3	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.	
	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 LT15500 P1		Not available.	
SureSelect LT15500 IA		Not available.	
SureSelect LTI Pre Capture Primer		Not available.	
SureSelect LT15500 BC1-BC96 Plate		Not available.	
SureSelect RNase Block		Not available.	
SureSelect Hyb 3		7 to 8	
SureSelect Block 2		Not available.	
SureSelect Indexing Block #1		Not available.	
SureSelect LT Indexing Block #3		Not available.	

SECTION 9: Physical and chemical properties

	SureSelect Hyb #1	7.4
	SureSelect Hyb #2	8
	SureSelect Hyb #4	5.2 to 6.2
	SureSelect Binding Buffer	7.1 to 8.1
	SureSelect Wash Buffer 1	6.5 to 7.5
	SureSelect Wash Buffer 2	6.8 to 7.8
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 LTI5500 P1	0°C
	SureSelect LTI5500 IA	0°C
	SureSelect LTI Pre Capture Primer	0°C
	SureSelect LTI5500	0°C
	BC1-BC96 Plate	
	SureSelect RNase Block	Not available.
	SureSelect Hyb 3	0°C
	SureSelect Block 2	0°C
	SureSelect Indexing Block #1	0°C
	SureSelect LT Indexing Block #3	0°C
	SureSelect Hyb #1	Not available.
	SureSelect Hyb #2	Not available.
	SureSelect Hyb #4	0°C
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	0°C
	SureSelect Wash Buffer 2	0°C
Initial boiling point and boiling range	: 10X End-Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	100°C
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	100°C
	SureSelect LTI5500 P1	100°C
	SureSelect LTI5500 IA	100°C
	SureSelect LTI Pre Capture Primer	100°C
	SureSelect LTI5500	100°C

SECTION 9: Physical and chemical properties

BC1-BC96 Plate	
SureSelect RNase Block	Not available.
SureSelect Hyb 3	100°C
SureSelect Block 2	100°C
SureSelect Indexing Block #1	100°C
SureSelect LT Indexing Block #3	100°C
SureSelect Hyb #1	Not available.
SureSelect Hyb #2	Not available.
SureSelect Hyb #4	100°C
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	100°C
SureSelect Wash Buffer 2	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 LT15500 P1	Not available.
	SureSelect LT15500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LT15500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase Block	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block #1	Not available.
	SureSelect LT Indexing Block #3	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.

Evaporation rate

:	10X End-Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.

SECTION 9: Physical and chemical properties

	10x Klenow	Not available.
	Polymerase Buffer	
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase	Not available.
	Block	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing	Not available.
	Block #1	
	SureSelect LT Indexing	Not available.
	Block #3	
	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	
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 LTI5500 P1	Not applicable.
	SureSelect LTI5500 IA	Not applicable.
	SureSelect LTI Pre	Not applicable.
	Capture Primer	
	SureSelect LTI5500	Not applicable.
	BC1-BC96 Plate	
	SureSelect RNase	Not applicable.
	Block	
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing	Not applicable.
	Block #1	
	SureSelect LT	Not applicable.
	Indexing Block #3	
	SureSelect Hyb #1	Not applicable.
	SureSelect Hyb #2	Not applicable.
	SureSelect Hyb #4	Not applicable.
	SureSelect Binding	Not applicable.
	Buffer	
	SureSelect Wash	Not applicable.
	Buffer 1	
	SureSelect Wash	Not applicable.
	Buffer 2	

SECTION 9: Physical and chemical properties

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 LT15500 P1	Not available.	
	SureSelect LT15500 IA	Not available.	
	SureSelect LTI Pre Capture Primer	Not available.	
	SureSelect LT15500 BC1-BC96 Plate	Not available.	
	SureSelect RNase Block	Not available.	
	SureSelect Hyb 3	Not available.	
	SureSelect Block 2	Not available.	
	SureSelect Indexing Block #1	Not available.	
	SureSelect LT Indexing Block #3	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.	
	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 LT15500 P1		Not available.	
SureSelect LT15500 IA		Not available.	
SureSelect LTI Pre Capture Primer		Not available.	
SureSelect LT15500 BC1-BC96 Plate		Not available.	
SureSelect RNase Block		Not available.	
SureSelect Hyb 3		Not available.	
SureSelect Block 2		Not available.	
SureSelect Indexing Block #1		Not available.	
SureSelect LT Indexing Block #3		Not available.	

SECTION 9: Physical and chemical properties

	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.
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 LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500 BC1-BC96 Plate	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block #1	Not available.
	SureSelect LT Indexing Block #3	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.
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 LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre Capture Primer	Not available.
	SureSelect LTI5500	Not available.

SECTION 9: Physical and chemical properties

	BC1-BC96 Plate	
	SureSelect RNase Block	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block #1	Not available.
	SureSelect LT Indexing Block #3	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.
Solubility(ies)	: 10X End-Repair Buffer	Easily soluble in the following materials: cold water and hot water.
	5X T4 DNA Ligase Buffer	Easily soluble in the following materials: cold water and hot water.
	Klenow DNA Polymerase	Soluble in the following materials: cold water and hot water.
	T4 DNA Ligase	Soluble in the following materials: cold water and hot water.
	T4 DNA Polymerase	Soluble in the following materials: cold water and hot water.
	T4 Polynucleotide Kinase	Soluble in the following materials: cold water and hot water.
	dNTP Mix	Easily soluble in the following materials: cold water and hot water.
	10x Klenow Polymerase Buffer	Easily soluble in the following materials: cold water and hot water.
	Exo(-) Klenow	Soluble in the following materials: cold water and hot water.
	dATP	Easily soluble in the following materials: cold water and hot water.
	SureSelect LTI5500 P1	Easily soluble in the following materials: cold water and hot water.
	SureSelect LTI5500 IA	Easily soluble in the following materials: cold water and hot water.
	SureSelect LTI Pre Capture Primer	Easily soluble in the following materials: cold water and hot water.
	SureSelect LTI5500 BC1-BC96 Plate	Easily soluble in the following materials: cold water and hot water.
	SureSelect RNase Block	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 Block 2	Easily soluble in the following materials: cold water and hot water.
	SureSelect Indexing Block #1	Easily soluble in the following materials: cold water and hot water.
	SureSelect LT Indexing Block #3	Easily soluble in the following materials: cold water and hot water.
	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 Buffer	Easily soluble in the following materials: cold water and hot water.
	SureSelect Wash	Easily soluble in the following materials: cold water and

SECTION 9: Physical and chemical properties

	Buffer 1	hot water.
	SureSelect Wash	Easily soluble in the following materials: cold water and
	Buffer 2	hot water.
Partition coefficient: n-octanol/water	: 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 LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase	Not available.
	Block	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing	Not available.
	Block #1	
	SureSelect LT Indexing	Not available.
	Block #3	
	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	
Auto-ignition temperature	: 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 LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase	Not available.
	Block	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing	Not available.

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	Block #1	
	SureSelect LT Indexing	Not available.
	Block #3	
	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	
Decomposition temperature	: 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 LT15500 P1	Not available.
	SureSelect LT15500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LT15500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase	Not available.
	Block	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing	Not available.
	Block #1	
	SureSelect LT Indexing	Not available.
	Block #3	
	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	
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 LT15500 P1	Not available.
	SureSelect LT15500 IA	Not available.

SECTION 9: Physical and chemical properties

SureSelect LTI Pre	Not available.
Capture Primer	
SureSelect LTI5500	Not available.
BC1-BC96 Plate	
SureSelect RNase	Not available.
Block	
SureSelect Hyb 3	Not available.
SureSelect Block 2	Not available.
SureSelect Indexing	Not available.
Block #1	
SureSelect LT Indexing	Not available.
Block #3	
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	
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 LTI5500 P1	Not available.
SureSelect LTI5500 IA	Not available.
SureSelect LTI Pre	Not available.
Capture Primer	
SureSelect LTI5500	Not available.
BC1-BC96 Plate	
SureSelect RNase	Not available.
Block	
SureSelect Hyb 3	Not available.
SureSelect Block 2	Not available.
SureSelect Indexing	Not available.
Block #1	
SureSelect LT Indexing	Not available.
Block #3	
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	

Explosive properties

:

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 LTI5500 P1	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect LTI5500 IA	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect LTI Pre Capture Primer	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect LTI5500 BC1-BC96 Plate	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 Hyb 3	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 Indexing Block #1	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect LT Indexing Block #3	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.
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 LTI5500 P1	The product is stable.
		SureSelect LTI5500 IA	The product is stable.
		SureSelect LTI Pre	The product is stable.

SECTION 10: Stability and reactivity

Capture Primer SureSelect LT15500 BC1-BC96 Plate	The product is stable.
SureSelect RNase Block SureSelect Hyb 3 SureSelect Block 2 SureSelect Indexing Block #1	The product is stable. The product is stable. The product is stable. The product is stable.
SureSelect LT Indexing Block #3 SureSelect Hyb #1 SureSelect Hyb #2 SureSelect Hyb #4 SureSelect Binding Buffer	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
SureSelect Wash Buffer 1 SureSelect Wash Buffer 2	The product is stable. 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 LT15500 P1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect LT15500 IA	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect LTI Pre Capture Primer SureSelect LT15500 BC1-BC96 Plate SureSelect RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. 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 Block 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Indexing Block #1 SureSelect LT Indexing Block #3 SureSelect Hyb #1	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. 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	Under normal conditions of storage and use, hazardous

SECTION 10: Stability and reactivity

Buffer	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.

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 LTI5500 P1	No specific data.
SureSelect LTI5500 IA	No specific data.
SureSelect LTI Pre	No specific data.
Capture Primer	
SureSelect LTI5500	No specific data.
BC1-BC96 Plate	
SureSelect RNase Block	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing Block #1	No specific data.
SureSelect LT Indexing Block #3	No specific data.
SureSelect Hyb #1	No specific data.
SureSelect Hyb #2	No specific data.
SureSelect Hyb #4	No specific data.
SureSelect Binding Buffer	
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.

10.5 Incompatible materials :

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 LTI5500 P1	No specific data.
SureSelect LTI5500 IA	No specific data.
SureSelect LTI Pre	No specific data.
Capture Primer	
SureSelect LTI5500	No specific data.
BC1-BC96 Plate	
SureSelect RNase Block	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing Block #1	No specific data.
SureSelect LT Indexing Block #3	No specific data.
SureSelect Hyb #1	No specific data.

SECTION 10: Stability and reactivity

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.

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 LTI5500 P1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect LTI5500 IA	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect LTI Pre Capture Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect LTI5500 BC1-BC96 Plate	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 Hyb 3	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 Indexing Block #1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect LT Indexing Block #3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb #1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb #2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb #4	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Klenow DNA Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
T4 DNA Ligase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
T4 DNA Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
T4 Polynucleotide Kinase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Exo(-) Klenow Glycerol	LD50 Oral	Rat	12600 mg/kg	-
SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-
SureSelect Hyb #1 Sodium chloride	LC50 Inhalation Dusts and mists LD50 Oral	Rat Rat	>42 g/m ³ 3000 mg/kg	1 hours -
SureSelect Hyb #2 Disodium dihydrogen ethylenediaminetetraacetate	LD50 Oral	Rat	2 g/kg	-
SureSelect Hyb #4 Sulfuric acid monododecyl ester sodium salt (1:1)	LD50 Oral	Rat	1288 mg/kg	-
SureSelect Binding Buffer Sodium chloride	LC50 Inhalation Dusts and mists LD50 Oral	Rat Rat	>42 g/m ³ 3000 mg/kg	1 hours -

Acute toxicity estimates

Route	ATE value
10X End-Repair Buffer Oral	25974 mg/kg
SureSelect Hyb #2 Oral	13698.6 mg/kg
SureSelect Hyb #4 Oral	128800 mg/kg

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Klenow DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
T4 DNA Ligase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

SECTION 11: Toxicological information

T4 DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
T4 Polynucleotide Kinase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Exo(-) Klenow Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
SureSelect RNase Block Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
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.

Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity

Not available.

Specific target organ toxicity (single exposure)

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
SureSelect Hyb #4 Sulfuric acid monododecyl ester sodium salt (1:1)	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

SECTION 11: Toxicological information

Product/ingredient name	Category	Route of exposure	Target organs
Klenow DNA Polymerase Glycerol	Category 2	Inhalation	kidneys
T4 DNA Ligase Glycerol	Category 2	Inhalation	kidneys
T4 DNA Polymerase Glycerol	Category 2	Inhalation	kidneys
T4 Polynucleotide Kinase Glycerol	Category 2	Inhalation	kidneys
Exo(-) Klenow Glycerol	Category 2	Inhalation	kidneys
SureSelect RNase Block Glycerol	Category 2	Inhalation	kidneys

Aspiration hazard

Not available.

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation

Potential acute health effects

Inhalation	: 10X End-Repair Buffer 5X T4 DNA Ligase Buffer Klenow DNA Polymerase T4 DNA Ligase T4 DNA Polymerase T4 Polynucleotide Kinase dNTP Mix 10x Klenow Polymerase Buffer Exo(-) Klenow dATP SureSelect LTI5500 P1 SureSelect LTI5500 IA SureSelect LTI Pre Capture Primer SureSelect LTI5500 BC1-BC96 Plate SureSelect RNase Block SureSelect Hyb 3 SureSelect Block 2 SureSelect Indexing Block #1 SureSelect LT Indexing Block #3 SureSelect Hyb #1 SureSelect Hyb #2 SureSelect Hyb #4 SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure. No known significant effects or critical hazards. No known significant effects or critical hazards.
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SECTION 11: Toxicological information

Ingestion	:	10X End-Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect LTI5500 P1	No known significant effects or critical hazards.
		SureSelect LTI5500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre	No known significant effects or critical hazards.
		Capture Primer	
		SureSelect LTI5500	No known significant effects or critical hazards.
		BC1-BC96 Plate	
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing Block #1	No known significant effects or critical hazards.
		SureSelect LT Indexing Block #3	No known significant effects or critical hazards.
		SureSelect Hyb #1	Irritating to mouth, throat and stomach.
		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.
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 LTI5500 P1	No known significant effects or critical hazards.
		SureSelect LTI5500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre	No known significant effects or critical hazards.
		Capture Primer	
		SureSelect LTI5500	No known significant effects or critical hazards.
		BC1-BC96 Plate	
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing Block #1	No known significant effects or critical hazards.
		SureSelect LT Indexing Block #3	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	May cause an allergic skin reaction.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer	No known significant effects or critical hazards.

SECTION 11: Toxicological information

2

Eye 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 LTI5500 P1	No known significant effects or critical hazards.
		SureSelect LTI5500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre	No known significant effects or critical hazards.
		Capture Primer	
		SureSelect LTI5500	No known significant effects or critical hazards.
		BC1-BC96 Plate	
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing Block #1	No known significant effects or critical hazards.
		SureSelect LT Indexing Block #3	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.

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 LTI5500 P1	No specific data.
		SureSelect LTI5500 IA	No specific data.
		SureSelect LTI Pre	No specific data.
		Capture Primer	
		SureSelect LTI5500	No specific data.
		BC1-BC96 Plate	
		SureSelect RNase Block	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Indexing Block #1	No specific data.
		SureSelect LT Indexing Block #3	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	No specific data.

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	1	SureSelect Wash Buffer	No specific data.
	2		
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 LTI5500 P1	No specific data.
		SureSelect LTI5500 IA	No specific data.
		SureSelect LTI Pre	No specific data.
		Capture Primer	
		SureSelect LTI5500	No specific data.
		BC1-BC96 Plate	
		SureSelect RNase Block	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Indexing Block #1	No specific data.
		SureSelect LT Indexing Block #3	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	No specific data.
	1		
	2	SureSelect Wash Buffer	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 LTI5500 P1	No specific data.
		SureSelect LTI5500 IA	No specific data.
		SureSelect LTI Pre	No specific data.
		Capture Primer	
		SureSelect LTI5500	No specific data.
		BC1-BC96 Plate	
		SureSelect RNase Block	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Indexing Block #1	No specific data.
		SureSelect LT Indexing Block #3	No specific data.
		SureSelect Hyb #1	No specific data.
		SureSelect Hyb #2	No specific data.
		SureSelect Hyb #4	Adverse symptoms may include the following: irritation redness

SECTION 11: Toxicological information

	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
Eye 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 LTI5500 P1	No specific data.
	SureSelect LTI5500 IA	No specific data.
	SureSelect LTI Pre Capture Primer	No specific data.
	SureSelect LTI5500 BC1-BC96 Plate	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Hyb 3	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block #1	No specific data.
	SureSelect LT Indexing Block #3	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.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

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	May cause damage to organs through prolonged or repeated exposure.
	T4 DNA Ligase	May cause damage to organs through prolonged or repeated exposure.
	T4 DNA Polymerase	May cause damage to organs through prolonged or repeated exposure.

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T4 Polynucleotide Kinase	May cause damage to organs through prolonged or repeated exposure.
dNTP Mix	No known significant effects or critical hazards.
10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	May cause damage to organs through prolonged or repeated exposure.
dATP	No known significant effects or critical hazards.
SureSelect LTI5500 P1	No known significant effects or critical hazards.
SureSelect LTI5500 IA	No known significant effects or critical hazards.
SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
SureSelect LTI5500	No known significant effects or critical hazards.
BC1-BC96 Plate	
SureSelect RNase Block	May cause damage to organs through prolonged or repeated exposure.
SureSelect Hyb 3	No known significant effects or critical hazards.
SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Indexing Block #1	No known significant effects or critical hazards.
SureSelect LT Indexing Block #3	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	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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.
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 LTI5500 P1	No known significant effects or critical hazards.
SureSelect LTI5500 IA	No known significant effects or critical hazards.
SureSelect LTI Pre Capture Primer	No known significant effects or critical hazards.
SureSelect LTI5500	No known significant effects or critical hazards.
BC1-BC96 Plate	
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect Hyb 3	No known significant effects or critical hazards.
SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Indexing Block #1	No known significant effects or critical hazards.
SureSelect LT Indexing Block #3	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.

Carcinogenicity

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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 LTI5500 P1	No known significant effects or critical hazards.
		SureSelect LTI5500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre	No known significant effects or critical hazards.
		Capture Primer	
		SureSelect LTI5500	No known significant effects or critical hazards.
		BC1-BC96 Plate	
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing Block #1	No known significant effects or critical hazards.
		SureSelect LT Indexing Block #3	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.
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 LTI5500 P1	No known significant effects or critical hazards.
		SureSelect LTI5500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre	No known significant effects or critical hazards.
		Capture Primer	
		SureSelect LTI5500	No known significant effects or critical hazards.
		BC1-BC96 Plate	
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing Block #1	No known significant effects or critical hazards.
		SureSelect LT Indexing Block #3	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	No known significant effects or critical hazards.

SECTION 11: Toxicological information

2

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	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect LTI5500 P1	No known significant effects or critical hazards.
		SureSelect LTI5500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre	No known significant effects or critical hazards.
		Capture Primer	
		SureSelect LTI5500	No known significant effects or critical hazards.
		BC1-BC96 Plate	
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing	No known significant effects or critical hazards.
		Block #1	
		SureSelect LT Indexing	No known significant effects or critical hazards.
		Block #3	
		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	No known significant effects or critical hazards.
		Buffer	
		SureSelect Wash Buffer	No known significant effects or critical hazards.
		1	
		SureSelect Wash Buffer	No known significant effects or critical hazards.
		2	
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	No known significant effects or critical hazards.
		Buffer	
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect LTI5500 P1	No known significant effects or critical hazards.
		SureSelect LTI5500 IA	No known significant effects or critical hazards.
		SureSelect LTI Pre	No known significant effects or critical hazards.
		Capture Primer	
		SureSelect LTI5500	No known significant effects or critical hazards.
		BC1-BC96 Plate	
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect Block 2	No known significant effects or critical hazards.
		SureSelect Indexing	No known significant effects or critical hazards.
		Block #1	
		SureSelect LT Indexing	No known significant effects or critical hazards.
		Block #3	
		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	No known significant effects or critical hazards.
		Buffer	
		SureSelect Wash Buffer	No known significant effects or critical hazards.
		1	

SECTION 11: Toxicological information

SureSelect Wash Buffer 2 No known significant effects or critical hazards.

Toxicokinetics**Absorption**

: 10X End-Repair Buffer Not available.
 5X T4 DNA Ligase Buffer Not available.
 Klenow DNA Polymerase Not available.
 T4 DNA Ligase Not available.
 T4 DNA Polymerase Not available.
 T4 Polynucleotide Kinase Not available.
 dNTP Mix Not available.
 10x Klenow Polymerase Not available.
 Buffer
 Exo(-) Klenow Not available.
 dATP Not available.
 SureSelect LTI5500 P1 Not available.
 SureSelect LTI5500 IA Not available.
 SureSelect LTI Pre Not available.
 Capture Primer
 SureSelect LTI5500 Not available.
 BC1-BC96 Plate
 SureSelect RNase Block Not available.
 SureSelect Hyb 3 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Not available.
 Block #1
 SureSelect LT Indexing Not available.
 Block #3
 SureSelect Hyb #1 Not available.
 SureSelect Hyb #2 Not available.
 SureSelect Hyb #4 Not available.
 SureSelect Binding Not available.
 Buffer
 SureSelect Wash Buffer 1 Not available.
 SureSelect Wash Buffer 2 Not available.

Distribution

: 10X End-Repair Buffer Not available.
 5X T4 DNA Ligase Buffer Not available.
 Klenow DNA Polymerase Not available.
 T4 DNA Ligase Not available.
 T4 DNA Polymerase Not available.
 T4 Polynucleotide Kinase Not available.
 dNTP Mix Not available.
 10x Klenow Polymerase Not available.
 Buffer
 Exo(-) Klenow Not available.
 dATP Not available.
 SureSelect LTI5500 P1 Not available.
 SureSelect LTI5500 IA Not available.
 SureSelect LTI Pre Not available.
 Capture Primer
 SureSelect LTI5500 Not available.
 BC1-BC96 Plate
 SureSelect RNase Block Not available.
 SureSelect Hyb 3 Not available.
 SureSelect Block 2 Not available.
 SureSelect Indexing Not available.
 Block #1
 SureSelect LT Indexing Not available.
 Block #3
 SureSelect Hyb #1 Not available.
 SureSelect Hyb #2 Not available.
 SureSelect Hyb #4 Not available.
 SureSelect Binding Not available.
 Buffer

SECTION 11: Toxicological information

	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
Metabolism	: 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 LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase Block	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block #1	Not available.
	SureSelect LT Indexing Block #3	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.
Elimination	: 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 LTI5500 P1	Not available.
	SureSelect LTI5500 IA	Not available.
	SureSelect LTI Pre	Not available.
	Capture Primer	
	SureSelect LTI5500	Not available.
	BC1-BC96 Plate	
	SureSelect RNase Block	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block #1	Not available.
	SureSelect LT Indexing Block #3	Not available.
	SureSelect Hyb #1	Not available.
	SureSelect Hyb #2	Not available.
	SureSelect Hyb #4	Not available.
	SureSelect Binding	Not available.

SECTION 11: Toxicological information

Buffer
 SureSelect Wash Buffer 1 Not available.
 SureSelect Wash Buffer 2 Not available.

Other information : Not available.

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 NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours	
SureSelect Hyb #2 Disodium dihydrogen ethylenediaminetetraacetate	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	
	Acute LC50 320 mg/l Fresh water	Fish	96 hours	
	SureSelect Binding Buffer 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 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		
	Fish - Gambusia holbrooki - Adult	8 weeks		

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Klenow DNA Polymerase Glycerol	-1.76	-	low
T4 DNA Ligase Glycerol	-1.76	-	low
T4 DNA Polymerase Glycerol	-1.76	-	low

SECTION 12: Ecological information

T4 Polynucleotide Kinase Glycerol	-1.76	-	low
Exo(-) Klenow Glycerol	-1.76	-	low
SureSelect RNase Block Glycerol	-1.76	-	low
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

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

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

SECTION 14: Transport information

Regulatory information

ADR/RID / IMDG / IATA : Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 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

Substances of very high concern

None of the components are listed.

Annex XVII - : Not applicable.

Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Other EU regulations

Europe inventory : Not determined.

Black List Chemicals : Not listed

Priority List Chemicals : Not listed

Integrated pollution prevention and control list (IPPC) - Air : Not listed

Integrated pollution prevention and control list (IPPC) - Water : Not listed

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
Klenow DNA Polymerase STOT RE 2, H373	Calculation method
T4 DNA Ligase STOT RE 2, H373	Calculation method
T4 DNA Polymerase STOT RE 2, H373	Calculation method
T4 Polynucleotide Kinase STOT RE 2, H373	Calculation method
Exo(-) Klenow STOT RE 2, H373	Calculation method
SureSelect RNase Block STOT RE 2, H373	Calculation method
SureSelect Hyb #1 Eye Irrit. 2, H319	Calculation method

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SECTION 16: Other information

<p>SureSelect Hyb #4 Skin Sens. 1, H317</p>	<p>Calculation method</p>
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<p>Full text of abbreviated H statements</p>	<p>: 10X End-Repair Buffer H302 H315 H319 H335 (Respiratory tract irritation) H412</p>	<p>Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. (Respiratory tract irritation) Harmful to aquatic life with long lasting effects.</p>
	<p>5X T4 DNA Ligase Buffer H315 H319 H335 (Respiratory tract irritation)</p>	<p>Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. (Respiratory tract irritation)</p>
	<p>Klenow DNA Polymerase H373 H373 (kidneys) (inhalation)</p>	<p>May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)</p>
	<p>T4 DNA Ligase H373 H373 (kidneys) (inhalation)</p>	<p>May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)</p>
	<p>T4 DNA Polymerase H373 H373 (kidneys) (inhalation)</p>	<p>May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)</p>
	<p>T4 Polynucleotide Kinase H373 H373 (kidneys) (inhalation)</p>	<p>May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)</p>
	<p>10x Klenow Polymerase Buffer H315 H319 H335 (Respiratory tract irritation)</p>	<p>Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. (Respiratory tract irritation)</p>
	<p>Exo(-) Klenow H373 H373 (kidneys) (inhalation)</p>	<p>May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)</p>
	<p>SureSelect RNase Block H373 H373 (kidneys) (inhalation)</p>	<p>May cause damage to organs through prolonged or repeated exposure. May cause damage to organs through prolonged or repeated exposure if inhaled. (kidneys)</p>
	<p>SureSelect Hyb #1</p>	

SECTION 16: Other information

H319	Causes serious eye irritation.
SureSelect Hyb #2	
H302	Harmful if swallowed.
SureSelect Hyb #4	
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335 (Respiratory tract irritation)	May cause respiratory irritation. (Respiratory tract irritation)
SureSelect Binding Buffer	
H319	Causes serious eye irritation.
10X End-Repair Buffer	
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Aquatic Chronic 3, H412	LONG-TERM AQUATIC HAZARD - Category 3
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335 (Respiratory tract irritation)	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
5X T4 DNA Ligase Buffer	
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335 (Respiratory tract irritation)	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
Klenow DNA Polymerase	
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
STOT RE 2, H373 (kidneys) (inhalation)	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2
T4 DNA Ligase	
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
STOT RE 2, H373 (kidneys) (inhalation)	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2
T4 DNA Polymerase	
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
STOT RE 2, H373 (kidneys) (inhalation)	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2
T4 Polynucleotide Kinase	
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
STOT RE 2, H373 (kidneys) (inhalation)	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2
10x Klenow Polymerase Buffer	
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335 (Respiratory tract irritation)	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Full text of classifications [CLP/GHS]

SECTION 16: Other information

irritation)

Exo(-) Klenow

STOT RE 2, H373

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373
(kidneys) (inhalation)

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

SureSelect RNase Block

STOT RE 2, H373

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

STOT RE 2, H373
(kidneys) (inhalation)

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) (inhalation) - Category 2

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 Hyb #4

Acute Tox. 4, H302

ACUTE TOXICITY (oral) - Category 4

Eye Irrit. 2, H319

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Skin Irrit. 2, H315

SKIN CORROSION/IRRITATION - Category 2

Skin Sens. 1, H317

SKIN SENSITIZATION - Category 1

STOT SE 3, H335

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

(Respiratory tract irritation)

SureSelect Binding Buffer

Eye Irrit. 2, H319

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

Full text of abbreviated R phrases

: 10X End-Repair Buffer

R22- Harmful if swallowed.

5X T4 DNA Ligase Buffer

R36/37/38- Irritating to eyes, respiratory system and skin.

Klenow DNA Polymerase

R36/37/38- Irritating to eyes, respiratory system and skin.

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.

R36/37/38- Irritating to eyes, respiratory system and skin.

Exo(-) Klenow

Not applicable.

dATP

Not applicable.

SureSelect LT15500 P1

Not applicable.

SureSelect LT15500 IA

Not applicable.

SureSelect LTI Pre

Not applicable.

Capture Primer

SureSelect LT15500

Not applicable.

BC1-BC96 Plate

SureSelect RNase Block

Not applicable.

SureSelect Hyb 3

Not applicable.

SureSelect Block 2

Not applicable.

SureSelect Indexing

Not applicable.

Block #1

SureSelect LT Indexing

Not applicable.

Block #3

SureSelect Hyb #1

R36- Irritating to eyes.

SureSelect Hyb #2

R22- Harmful if swallowed.

SureSelect Hyb #4

R22- Harmful if swallowed.

R36/37/38- Irritating to eyes, respiratory system and skin.

R43- May cause sensitisation by skin contact.

SureSelect Binding Buffer

R36- Irritating to eyes.

SECTION 16: Other information

	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
Full text of classifications [DSD/DPD]	10X End-Repair Buffer	Xn - Harmful Xi - Irritant
	5X T4 DNA Ligase Buffer	Xi - Irritant
	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	Xi - Irritant
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect LTI5500 P1	Not applicable.
	SureSelect LTI5500 IA	Not applicable.
	SureSelect LTI Pre Capture Primer	Not applicable.
	SureSelect LTI5500 BC1-BC96 Plate	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block #1	Not applicable.
	SureSelect LT Indexing Block #3	Not applicable.
	SureSelect Hyb #1	Xi - Irritant
	SureSelect Hyb #2	Xn - Harmful
	SureSelect Hyb #4	Xn - Harmful Xi - Irritant
	SureSelect Binding Buffer	Xi - Irritant
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.

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