

SAFETY DATA SHEET



SureSelect XT Reagent Kit - HSQ/MSQ-96/480 Reactions - Revised Index Configuration

Section 1. Identification

Product identifier	: SureSelect XT Reagent Kit - HSQ/MSQ-96/480 Reactions - Revised Index Configuration
Part no. (chemical kit)	: G9611B, G9611C, G9612B, G9612C
Part no.	: 10X End Repair Buffer 5190-3609
	5X T4 DNA Ligase Buffer 5190-3610
	Klenow DNA Polymerase 5190-3615
	T4 DNA Ligase 5190-3612
	T4 DNA Polymerase 5190-3614
	T4 Polynucleotide Kinase 5190-3616
	dNTP Mix 5190-3618
	10x Klenow Polymerase Buffer 5190-3611
	Exo(-) Klenow 5190-3613
	dATP 5190-3617
	SureSelect Adaptor Oligo Mix 5190-3619
	SureSelect Primer 5190-3620
	SureSelect Hyb 1 5190-4404
	SureSelect Hyb 2 5190-4397
	SureSelect Hyb 4 5190-4406
	SureSelect Binding Buffer 5190-4407
	SureSelect Wash Buffer 1 5190-4408
	SureSelect Wash Buffer 2 5190-4409
	SureSelect RNase Block 5190-4386
	SureSelect ILM Indexing Post Capture 5190-4442
	Forward PCR Primer
	SureSelect Hyb 3 5190-4385
	SureSelect Block 2 5190-4384
	SureSelect Indexing Block 1 5190-4428
	SureSelect Indexing Block 3 5190-4446
	SureSelect ILM Index Pre Capture PCR 5190-4444
	Reverse Primer
	SureSelect XT 8 bp Indexes 5190-7928

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

Identified uses	: <input checked="" type="checkbox"/> Analytical reagent.
	<input checked="" type="checkbox"/> 10X End Repair Buffer 1.4 ml -7.0 ml
	5X T4 DNA Ligase Buffer 1.4 ml -7.0 ml
	Klenow DNA Polymerase 0.29 ml -1.45 ml
	T4 DNA Ligase 0.21 ml -1.1 ml
	T4 DNA Polymerase 0.14 ml -0.7 ml
	T4 Polynucleotide Kinase 0.3 ml -1.5 ml
	dNTP Mix 0.23 ml -1.15 ml
	10x Klenow Polymerase Buffer 0.8 ml - 4 ml
	Exo(-) Klenow 0.49 ml - 2.45 ml
	dATP 0.16 ml - 0.8 ml
	SureSelect Adaptor Oligo Mix 1.2 ml - 6 ml
	SureSelect Primer 0.3 ml - 1.5 ml
	SureSelect Hyb 1 2.4 ml - 12 ml
	SureSelect Hyb 2 1.25 ml- 6.25 m
	SureSelect Hyb 4 1.25 ml - 6.25 ml
	SureSelect Binding Buffer 80 ml - 384 ml
	SureSelect Wash Buffer 1 48 ml - 240 ml
	SureSelect Wash Buffer 2 144 ml - 720 ml
	SureSelect RNase Block 0.096 ml - 0.48 ml
	SureSelect ILM Indexing Post Capture 0.27 ml - 1.35 ml
	Forward PCR Primer

Section 1. Identification

SureSelect Hyb 3	0.96 ml - 4.8 ml
SureSelect Block 2	0.24 ml - 1.2 ml
SureSelect Indexing Block 1	0.24 ml - 1.2 ml
SureSelect Indexing Block 3	0.058 ml - 0.29 ml
SureSelect ILM Index Pre Capture PCR	0.027 ml - 1.35 ml
Reverse Primer	
SureSelect XT 8 bp Indexes	1.44 ml (0.015 ml x 96 reactions)

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

Klenow DNA Polymerase

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

T4 DNA Ligase

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

T4 DNA Polymerase

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

T4 Polynucleotide Kinase

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

Exo(-) Klenow

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

SureSelect Hyb 2

H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
H373 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

SureSelect RNase Block

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

SureSelect Indexing Block 1

H320 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B

10X End Repair Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.4%
5X T4 DNA Ligase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%
Klenow DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%
T4 DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%
dNTP Mix	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 6%
10x Klenow Polymerase Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.4%
SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3%
SureSelect Indexing Block 1	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2%

Section 2. Hazard(s) identification

GHS label elements

Hazard pictograms

: SureSelect Hyb 2



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 dATP	WARNING
SureSelect Adaptor Oligo Mix	No signal word.
SureSelect Primer	No signal word.
SureSelect Hyb 1	No signal word.
SureSelect Hyb 2	WARNING
SureSelect Hyb 4	No signal word.
SureSelect Binding Buffer	No signal word.
SureSelect Wash Buffer 1	No signal word.
SureSelect Wash Buffer 2	No signal word.
SureSelect RNase Block	WARNING
SureSelect ILM Indexing Post Capture Forward PCR Primer	No signal word.
SureSelect Hyb 3	No signal word.
SureSelect Block 2	No signal word.
SureSelect Indexing Block 1	WARNING
SureSelect Indexing Block 3	No signal word.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No signal word.
SureSelect XT 8 bp Indexes	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	H320 - Causes eye irritation.
T4 DNA Ligase	H320 - Causes eye irritation.
T4 DNA Polymerase	H320 - Causes eye irritation.
T4 Polynucleotide Kinase	H320 - Causes eye irritation.
dNTP Mix	No known significant effects or critical hazards.
10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow dATP	H320 - Causes eye irritation.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect Hyb 1	No known significant effects or critical hazards.
SureSelect Hyb 2	H319 - Causes serious eye irritation. H373 - May cause damage to organs through prolonged or repeated exposure. (respiratory tract)
SureSelect Hyb 4	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect RNase Block	H320 - Causes eye irritation.
SureSelect ILM Indexing Post Capture Forward PCR Primer	No known significant effects or critical hazards.
SureSelect Hyb 3	No known significant effects or critical hazards.

Section 2. Hazard(s) identification

SureSelect Block 2	No known significant effects or critical hazards.
SureSelect Indexing Block 1	H320 - Causes eye irritation.
SureSelect Indexing Block 3	No known significant effects or critical hazards.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

Precautionary statements

Prevention

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 Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	P280 - Wear eye or face protection. P260 - Do not breathe vapour.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Indexing Block 3	Not applicable.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Not applicable.
SureSelect XT 8 bp Indexes	Not applicable.

Response

10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	Not applicable.
Klenow DNA Polymerase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
T4 DNA Ligase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
T4 DNA Polymerase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
T4 Polynucleotide Kinase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
dNTP Mix	Not applicable.

Section 2. Hazard(s) identification

10x Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	P314 - Get medical advice/attention if you feel unwell. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect RNase Block	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Indexing Block 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. P337 + P313 - If eye irritation persists: Get medical advice or attention.
SureSelect Indexing Block 3	Not applicable.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Not applicable.
SureSelect XT 8 bp Indexes	Not applicable.
10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	Not applicable.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10x Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect ILM Indexing Post Capture Forward PCR	Not applicable.

Storage

10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	Not applicable.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10x Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect ILM Indexing Post Capture Forward PCR	Not applicable.

Section 2. Hazard(s) identification

	Primer	
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Indexing Block 3	Not applicable.
	SureSelect ILM Index Pre	Not applicable.
	Capture PCR Reverse	
	Primer	
	SureSelect XT 8 bp Indexes	Not applicable.
Disposal	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase	Not applicable.
	Buffer	
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Adaptor Oligo Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	SureSelect Hyb 4	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect ILM Indexing	Not applicable.
	Post Capture Forward PCR	
	Primer	
	SureSelect Hyb 3	Not applicable.
	SureSelect Block 2	Not applicable.
	SureSelect Indexing Block 1	Not applicable.
	SureSelect Indexing Block 3	Not applicable.
	SureSelect ILM Index Pre	Not applicable.
	Capture PCR Reverse	
	Primer	
	SureSelect XT 8 bp Indexes	Not applicable.
Supplemental label elements		
Additional warning phrases	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase	Not applicable.
	Buffer	
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Adaptor Oligo Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	Not applicable.
	SureSelect Hyb 4	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect RNase Block	Not applicable.

Section 2. Hazard(s) identification

SureSelect ILM Indexing Post Capture Forward PCR Primer	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Indexing Block 3	Not applicable.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Not applicable.
SureSelect XT 8 bp Indexes	Not applicable.

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 Adaptor Oligo Mix	None known.
SureSelect Primer	None known.
SureSelect Hyb 1	None known.
SureSelect Hyb 2	None known.
SureSelect Hyb 4	None known.
SureSelect Binding Buffer	None known.
SureSelect Wash Buffer 1	None known.
SureSelect Wash Buffer 2	None known.
SureSelect RNase Block	None known.
SureSelect ILM Indexing Post Capture Forward PCR Primer	None known.
SureSelect Hyb 3	None known.
SureSelect Block 2	None known.
SureSelect Indexing Block 1	None known.
SureSelect Indexing Block 3	None known.
SureSelect ILM Index Pre Capture PCR Reverse Primer	None known.
SureSelect XT 8 bp Indexes	None known.

Section 3. Composition and ingredient information

Substance/mixture	:	10X End Repair Buffer	Mixture
		5X T4 DNA Ligase Buffer	Mixture
		Klenow DNA Polymerase	Mixture
		T4 DNA Ligase	Mixture
		T4 DNA Polymerase	Mixture
		T4 Polynucleotide Kinase	Mixture
		dNTP Mix	Mixture
		10x Klenow Polymerase Buffer	Mixture
		Exo(-) Klenow	Mixture
		dATP	Mixture
		SureSelect Adaptor Oligo Mix	Mixture
		SureSelect Primer	Mixture
		SureSelect Hyb 1	Mixture
		SureSelect Hyb 2	Mixture
		SureSelect Hyb 4	Mixture
		SureSelect Binding Buffer	Mixture

Section 3. Composition and ingredient information

SureSelect Wash Buffer 1	Mixture
SureSelect Wash Buffer 2	Mixture
SureSelect RNase Block	Mixture
SureSelect ILM Indexing	Mixture
Post Capture Forward PCR Primer	
SureSelect Hyb 3	Mixture
SureSelect Block 2	Mixture
SureSelect Indexing Block 1	Mixture
SureSelect Indexing Block 3	Mixture
SureSelect ILM Index Pre	Mixture
Capture PCR Reverse Primer	
SureSelect XT 8 bp Indexes	Mixture

CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
5X T4 DNA Ligase Buffer		
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	$\geq 10 - \leq 30$	25322-68-3
Klenow DNA Polymerase		
Glycerol	$\geq 30 - \leq 60$	56-81-5
T4 DNA Ligase		
Glycerol	$\geq 30 - \leq 60$	56-81-5
T4 DNA Polymerase		
Glycerol	$\geq 30 - \leq 60$	56-81-5
T4 Polynucleotide Kinase		
Glycerol	$\geq 30 - \leq 60$	56-81-5
Exo(-) Klenow		
Glycerol	$\geq 30 - \leq 60$	56-81-5
SureSelect Hyb 2		
Edetic acid	$\geq 10 - < 30$	60-00-4
SureSelect RNase Block		
Glycerol	$\geq 30 - \leq 60$	56-81-5
SureSelect Indexing Block 1		
Glycerol	$\geq 30 - \leq 60$	56-81-5

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

Section 3. Composition and ingredient information

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

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: 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. If irritation persists, get medical attention.
	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. If irritation persists, get medical attention.
	T4 DNA Polymerase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	T4 Polynucleotide Kinase	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	dNTP Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	10x Klenow Polymerase Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Exo(-) Klenow	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	dATP	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Adaptor Oligo Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Hyb 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get

Section 4. First aid measures

SureSelect Hyb 2	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
SureSelect Hyb 4	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Binding Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Wash Buffer 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.
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. If irritation persists, get medical attention.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
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. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
SureSelect 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 ILM Index Pre Capture PCR Reverse 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 XT 8 bp Indexes	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

Section 4. First aid measures

	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 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.
T4 DNA Ligase	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.
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 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.
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 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.
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

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

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		delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect Block 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect Indexing Block 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	SureSelect Indexing Block 3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect XT 8 bp Indexes	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: 10X End Repair Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	5X T4 DNA Ligase Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Klenow DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	T4 DNA Ligase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	T4 DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	T4 Polynucleotide Kinase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	dNTP Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10x Klenow Polymerase Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Exo(-) Klenow	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. 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.

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SureSelect Adaptor Oligo Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Hyb 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Hyb 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. 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 4	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect RNase Block	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 ILM Indexing Post Capture Forward PCR Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect Hyb 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
SureSelect Indexing Block 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect XT 8 bp Indexes	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. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
5X T4 DNA Ligase Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Klenow DNA Polymerase	Wash out mouth with water. Remove dentures if any.

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	<p>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.</p>
T4 DNA Ligase	<p>Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
T4 DNA Polymerase	<p>Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
T4 Polynucleotide Kinase	<p>Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
dNTP Mix	<p>Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
10x Klenow Polymerase Buffer	<p>Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce</p>

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

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SureSelect Wash Buffer 2	vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect RNase Block	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Hyb 3	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Block 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Indexing Block 1	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect Indexing Block 3	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect XT 8 bp Indexes	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce

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vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

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	Causes eye irritation.
T4 DNA Ligase	Causes eye irritation.
T4 DNA Polymerase	Causes eye irritation.
T4 Polynucleotide Kinase	Causes eye irritation.
dNTP Mix	No known significant effects or critical hazards.
10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow dATP	Causes eye irritation.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect Hyb 1	No known significant effects or critical hazards.
SureSelect Hyb 2	Causes serious eye irritation.
SureSelect Hyb 4	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect RNase Block	Causes eye irritation.
SureSelect ILM Indexing Post Capture Forward PCR Primer	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	Causes eye irritation.
SureSelect Indexing Block 3	No known significant effects or critical hazards.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

Inhalation

10X End Repair Buffer	No known significant effects or critical hazards.
5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
Klenow DNA Polymerase	No known significant effects or critical hazards.
T4 DNA Ligase	No known significant effects or critical hazards.
T4 DNA Polymerase	No known significant effects or critical hazards.
T4 Polynucleotide Kinase	No known significant effects or critical hazards.
dNTP Mix	No known significant effects or critical hazards.
10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow dATP	No known significant effects or critical hazards.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect Hyb 1	No known significant effects or critical hazards.
SureSelect Hyb 2	No known significant effects or critical hazards.
SureSelect Hyb 4	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect ILM Indexing Post Capture Forward PCR Primer	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.

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	SureSelect Indexing Block 3	No known significant effects or critical hazards.
	SureSelect ILM Index Pre	No known significant effects or critical hazards.
	Capture PCR Reverse	
	Primer	
	SureSelect XT 8 bp Indexes	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	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 Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM Indexing	No known significant effects or critical hazards.
	Post Capture Forward PCR	
	Primer	
	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 Indexing Block 3	No known significant effects or critical hazards.
	SureSelect ILM Index Pre	No known significant effects or critical hazards.
	Capture PCR Reverse	
	Primer	
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
Ingestion	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase	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 Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM Indexing	No known significant effects or critical hazards.
	Post Capture Forward PCR	
	Primer	
	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 Indexing Block 3	No known significant effects or critical hazards.

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SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact

10X End Repair Buffer	No specific data.
5X T4 DNA Ligase Buffer	No specific data.
Klenow DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
T4 DNA Ligase	Adverse symptoms may include the following: irritation watering redness
T4 DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
T4 Polynucleotide Kinase	Adverse symptoms may include the following: irritation watering redness
dNTP Mix	No specific data.
10x Klenow Polymerase Buffer	No specific data.
Exo(-) Klenow	Adverse symptoms may include the following: irritation watering redness
dATP	No specific data.
SureSelect Adaptor Oligo Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	Adverse symptoms may include the following: pain or irritation watering redness
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect RNase Block	Adverse symptoms may include the following: irritation watering redness
SureSelect ILM Indexing Post Capture Forward PCR Primer	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing Block 1	Adverse symptoms may include the following: irritation watering redness
SureSelect Indexing Block 3	No specific data.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data.
SureSelect XT 8 bp Indexes	No specific data.

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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 Adaptor Oligo Mix	No specific data.	
		SureSelect Primer	No specific data.	
		SureSelect Hyb 1	No specific data.	
		SureSelect Hyb 2	No specific data.	
		SureSelect Hyb 4	No specific data.	
		SureSelect Binding Buffer	No specific data.	
		SureSelect Wash Buffer 1	No specific data.	
		SureSelect Wash Buffer 2	No specific data.	
		SureSelect RNase Block	No specific data.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	No specific data.	
		SureSelect Hyb 3	No specific data.	
		SureSelect Block 2	No specific data.	
		SureSelect Indexing Block 1	No specific data.	
		SureSelect Indexing Block 3	No specific data.	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data.	
		SureSelect XT 8 bp Indexes	No specific data.	
	Skin contact	:	10X End Repair Buffer	No specific data.
			5X T4 DNA Ligase Buffer	No specific data.
			Klenow DNA Polymerase	No specific data.
			T4 DNA Ligase	No specific data.
			T4 DNA Polymerase	No specific data.
			T4 Polynucleotide Kinase	No specific data.
		dNTP Mix	No specific data.	
		10x Klenow Polymerase Buffer	No specific data.	
		Exo(-) Klenow	No specific data.	
		dATP	No specific data.	
		SureSelect Adaptor Oligo Mix	No specific data.	
		SureSelect Primer	No specific data.	
		SureSelect Hyb 1	No specific data.	
		SureSelect Hyb 2	No specific data.	
		SureSelect Hyb 4	No specific data.	
		SureSelect Binding Buffer	No specific data.	
		SureSelect Wash Buffer 1	No specific data.	
		SureSelect Wash Buffer 2	No specific data.	
		SureSelect RNase Block	No specific data.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	No specific data.	
		SureSelect Hyb 3	No specific data.	
		SureSelect Block 2	No specific data.	
		SureSelect Indexing Block 1	No specific data.	
		SureSelect Indexing Block 3	No specific data.	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data.	
		SureSelect XT 8 bp Indexes	No specific data.	

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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 dATP	No specific data.
		SureSelect Adaptor Oligo Mix	No specific data.
		SureSelect Primer	No specific data.
		SureSelect Hyb 1	No specific data.
		SureSelect Hyb 2	No specific data.
		SureSelect Hyb 4	No specific data.
		SureSelect Binding Buffer	No specific data.
		SureSelect Wash Buffer 1	No specific data.
		SureSelect Wash Buffer 2	No specific data.
		SureSelect RNase Block	No specific data.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	No specific data.
		SureSelect Hyb 3	No specific data.
		SureSelect Block 2	No specific data.
		SureSelect Indexing Block 1	No specific data.
		SureSelect Indexing Block 3	No specific data.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data.
		SureSelect XT 8 bp Indexes	No specific data.

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

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

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dATP	ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Adaptor Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Hyb 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Hyb 2	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
SureSelect Hyb 4	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Binding Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Wash Buffer 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Wash Buffer 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect ILM Indexing Post Capture Forward PCR Primer	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	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 Indexing Block 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect Indexing Block 3	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
SureSelect XT 8 bp Indexes	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	No specific treatment.

Section 4. First aid measures

	Buffer	No specific treatment.
	Exo(-) Klenow	No specific treatment.
	dATP	No specific treatment.
	SureSelect Adaptor Oligo Mix	No specific treatment.
	SureSelect Primer	No specific treatment.
	SureSelect Hyb 1	No specific treatment.
	SureSelect Hyb 2	No specific treatment.
	SureSelect Hyb 4	No specific treatment.
	SureSelect Binding Buffer	No specific treatment.
	SureSelect Wash Buffer 1	No specific treatment.
	SureSelect Wash Buffer 2	No specific treatment.
	SureSelect RNase Block	No specific treatment.
	SureSelect ILM Indexing	No specific treatment.
	Post Capture Forward PCR	
	Primer	
	SureSelect Hyb 3	No specific treatment.
	SureSelect Block 2	No specific treatment.
	SureSelect Indexing Block 1	No specific treatment.
	SureSelect Indexing Block 3	No specific treatment.
	SureSelect ILM Index Pre	No specific treatment.
	Capture PCR Reverse	
	Primer	
	SureSelect XT 8 bp Indexes	No specific treatment.
Protection of first-aiders	: 10X End Repair Buffer	No action shall be taken involving any personal risk or without suitable training.
	5X T4 DNA Ligase Buffer	No action shall be taken involving any personal risk or without suitable training.
	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	No action shall be taken involving any personal risk or without suitable training.
	Buffer	
	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 Adaptor Oligo Mix	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Primer	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Hyb 1	No action shall be taken involving any personal risk or without suitable training.
	SureSelect Hyb 2	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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SureSelect Hyb 4	No action shall be taken involving any personal risk or without suitable training.
SureSelect Binding Buffer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
SureSelect 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 ILM Indexing Post Capture Forward PCR Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb 3	No action shall be taken involving any personal risk or without suitable training.
SureSelect 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
SureSelect Indexing Block 3	No action shall be taken involving any personal risk or without suitable training.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect XT 8 bp Indexes	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	: 10X End Repair Buffer	Use an extinguishing agent suitable for the surrounding fire.
	5X T4 DNA Ligase Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Klenow DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
	T4 DNA Ligase	Use an extinguishing agent suitable for the surrounding fire.
	T4 DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
	T4 Polynucleotide Kinase	Use an extinguishing agent suitable for the surrounding fire.
	dNTP Mix	Use an extinguishing agent suitable for the surrounding fire.
	10x Klenow Polymerase Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Exo(-) Klenow	Use an extinguishing agent suitable for the surrounding fire.
	dATP	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Adaptor Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Primer	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.

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	SureSelect Hyb 4	surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Binding Buffer	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Wash Buffer 1	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Wash Buffer 2	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect ILM Indexing Post Capture Forward PCR Primer	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 Indexing Block 3	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect XT 8 bp Indexes	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 Adaptor Oligo Mix	None known.
	SureSelect Primer	None known.
	SureSelect Hyb 1	None known.
	SureSelect Hyb 2	None known.
	SureSelect Hyb 4	None known.
	SureSelect Binding Buffer	None known.
	SureSelect Wash Buffer 1	None known.
	SureSelect Wash Buffer 2	None known.
	SureSelect RNase Block	None known.
	SureSelect ILM Indexing Post Capture Forward PCR Primer	None known.
	SureSelect Hyb 3	None known.
	SureSelect Block 2	None known.
	SureSelect Indexing Block 1	None known.
	SureSelect Indexing Block 3	None known.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	None known.
	SureSelect XT 8 bp Indexes	None known.

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Specific hazards arising from the chemical	: 10X End Repair Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	5X T4 DNA Ligase Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	Klenow DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst.
	T4 DNA Ligase	In a fire or if heated, a pressure increase will occur and the container may burst.
	T4 DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst.
	T4 Polynucleotide Kinase	In a fire or if heated, a pressure increase will occur and the container may burst.
	dNTP Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	10x Klenow Polymerase Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	Exo(-) Klenow	In a fire or if heated, a pressure increase will occur and the container may burst.
	dATP	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Adaptor Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Hyb 1	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Hyb 2	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Hyb 4	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Binding Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Wash Buffer 1	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Wash Buffer 2	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect ILM Indexing Post Capture Forward PCR Primer	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 Indexing Block 3	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect XT 8 bp Indexes	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: 10X End Repair Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
	5X T4 DNA Ligase Buffer	Decomposition products may include the following

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	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 Adaptor Oligo Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect Hyb 1	Decomposition products may include the following materials: phosphorus oxides halogenated compounds metal oxide/oxides
SureSelect Hyb 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	Decomposition products may include the following materials: halogenated compounds metal oxide/oxides
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide

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SureSelect ILM Indexing Post Capture Forward PCR Primer SureSelect Hyb 3	No specific data.
SureSelect Block 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds carbonyl halides
SureSelect Indexing Block 1	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
SureSelect Indexing Block 3 SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data. No specific data.
SureSelect XT 8 bp Indexes	No specific data.

Special protective actions for fire-fighters

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

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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 Adaptor Oligo Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Hyb 4	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Binding Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect Wash Buffer 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect 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 ILM Indexing Post Capture Forward PCR Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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 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 ILM Index Pre Capture PCR Reverse Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

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	SureSelect XT 8 bp Indexes	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: 10X End Repair Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	5X T4 DNA Ligase Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Klenow DNA Polymerase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	T4 DNA Ligase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	T4 DNA Polymerase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	T4 Polynucleotide Kinase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	dNTP Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	10x Klenow Polymerase Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Exo(-) Klenow	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	dATP	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect Adaptor Oligo Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect Hyb 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect Hyb 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Hyb 4	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive	

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SureSelect Binding Buffer	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Hyb 3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Block 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 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.
SureSelect 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.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect XT 8 bp Indexes	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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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

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

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

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	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect 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 ILM Index Pre Capture PCR Reverse 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 XT 8 bp Indexes	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders : 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".

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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 Adaptor Oligo Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 1	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 4	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Binding Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 1	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect 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 ILM Indexing Post Capture Forward PCR Primer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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 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".

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SureSelect ILM Index Pre Capture PCR Reverse 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 XT 8 bp Indexes	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".

Environmental precautions :	10X End Repair Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	5X T4 DNA Ligase Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Klenow DNA Polymerase	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	T4 DNA Ligase	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	T4 DNA Polymerase	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	T4 Polynucleotide Kinase	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	dNTP Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	10x Klenow Polymerase Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Exo(-) Klenow	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	dATP	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureSelect Adaptor Oligo 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,

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SureSelect Primer	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 1	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 4	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Binding Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Wash Buffer 1	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Wash Buffer 2	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect 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 ILM Indexing Post Capture Forward PCR 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 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 Indexing Block 3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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SureSelect ILM Index Pre Capture PCR Reverse Primer	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT 8 bp Indexes	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).

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.

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Exo(-) Klenow	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
dATP	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Adaptor Oligo Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Hyb 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Hyb 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Hyb 4	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Binding Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Wash Buffer 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Wash Buffer 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect 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

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	inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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 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 ILM Index Pre Capture PCR Reverse 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 XT 8 bp Indexes	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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[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 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.
T4 DNA Ligase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with

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	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.
T4 DNA Polymerase	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.
T4 Polynucleotide Kinase	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.
dNTP Mix	Put on appropriate personal protective equipment (see Section 8).
10x Klenow Polymerase Buffer	Put on appropriate personal protective equipment (see Section 8).
Exo(-) Klenow	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing 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.
dATP	Put on appropriate personal protective equipment (see Section 8).
SureSelect Adaptor Oligo Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect Primer	Put on appropriate personal protective equipment (see Section 8).
SureSelect Hyb 1	Put on appropriate personal protective equipment (see Section 8).
SureSelect Hyb 2	Put on appropriate personal protective equipment (see Section 8). Do not 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 4	Put on appropriate personal protective equipment (see Section 8).
SureSelect Binding Buffer	Put on appropriate personal protective equipment (see Section 8).
SureSelect Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).
SureSelect Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).
SureSelect RNase Block	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

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retain product residue and can be hazardous. Do not reuse container.

SureSelect ILM Indexing
Post Capture Forward PCR
Primer Put on appropriate personal protective equipment (see Section 8).

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). 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 Indexing Block 3 Put on appropriate personal protective equipment (see Section 8).

SureSelect ILM Index Pre
Capture PCR Reverse
Primer Put on appropriate personal protective equipment (see Section 8).

SureSelect XT 8 bp Indexes Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene

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

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

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

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

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

T4 Polynucleotide Kinase Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove

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	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 Adaptor Oligo Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Hyb 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Hyb 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Hyb 4	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove

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	contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Binding Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Wash Buffer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect RNase Block	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Hyb 3	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Block 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Indexing Block 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Indexing Block 3	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment

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SureSelect ILM Index Pre
Capture PCR Reverse
Primer

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

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

SureSelect XT 8 bp Indexes

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.

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. See Section 10 for incompatible materials before handling or use.

5X T4 DNA Ligase Buffer

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

Klenow DNA Polymerase

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

T4 DNA Ligase

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

T4 DNA Polymerase

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

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

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

Section 7. Handling and storage

SureSelect Wash Buffer 1

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

SureSelect Wash Buffer 2

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

SureSelect 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. See Section 10 for incompatible materials before handling or use.

SureSelect ILM Indexing
Post Capture Forward PCR
Primer

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

SureSelect Hyb 3

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

SureSelect 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

Section 7. Handling and storage

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

Section 8. Exposure controls and personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Section 8. Exposure controls and personal protection

Ingredient name	Exposure limits
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	DFG MAC-values list (Germany, 7/2023). PEAK: 400 mg/m ³ , 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m ³ 8 hours. Form: inhalable fraction
Klenow DNA Polymerase Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
T4 DNA Ligase Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
T4 DNA Polymerase Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
T4 Polynucleotide Kinase Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
Exo(-) Klenow Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
SureSelect RNase Block Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.
SureSelect Indexing Block 1 Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m ³ 8 hours.

Biological exposure indices

No exposure indices known.

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

Individual protection measures

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

Skin protection

Section 8. Exposure controls and personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

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

Appearance

Physical state	:	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 Adaptor Oligo Mix	Liquid.
		SureSelect Primer	Liquid.
		SureSelect Hyb 1	Liquid.
		SureSelect Hyb 2	Liquid.
		SureSelect Hyb 4	Liquid.
		SureSelect Binding Buffer	Liquid.
		SureSelect Wash Buffer 1	Liquid.
		SureSelect Wash Buffer 2	Liquid.
		SureSelect RNase Block	Liquid.
		SureSelect ILM Indexing	Liquid.
		Post Capture Forward PCR Primer	
		SureSelect Hyb 3	Liquid.
		SureSelect Block 2	Liquid.
		SureSelect Indexing Block 1	Liquid.
		SureSelect Indexing Block 3	Liquid.
		SureSelect ILM Index Pre	Liquid.
		Capture PCR Reverse Primer	
		SureSelect XT 8 bp Indexes	Liquid.

Section 9. Physical and chemical properties and safety characteristics

Colour	:	10X End Repair Buffer	Not available.	
		5X T4 DNA Ligase Buffer	Not available.	
		Klenow DNA Polymerase	Not available.	
		T4 DNA Ligase	Not available.	
		T4 DNA Polymerase	Not available.	
		T4 Polynucleotide Kinase	Not available.	
		dNTP Mix	Not available.	
		10x Klenow Polymerase Buffer	Not available.	
		Exo(-) Klenow	Not available.	
		dATP	Not available.	
		SureSelect Adaptor Oligo Mix	Not available.	
		SureSelect Primer	Not available.	
		SureSelect Hyb 1	Not available.	
		SureSelect Hyb 2	Not available.	
		SureSelect Hyb 4	Not available.	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	Not available.	
		SureSelect Wash Buffer 2	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.	
		SureSelect Hyb 3	Not available.	
		SureSelect Block 2	Colourless.	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Indexing Block 3	Not available.	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.	
		SureSelect XT 8 bp Indexes	Not available.	
	Odour	:	10X End Repair Buffer	Not available.
			5X T4 DNA Ligase Buffer	Not available.
			Klenow DNA Polymerase	Not available.
			T4 DNA Ligase	Not available.
			T4 DNA Polymerase	Not available.
		T4 Polynucleotide Kinase	Not available.	
		dNTP Mix	Not available.	
		10x Klenow Polymerase Buffer	Not available.	
		Exo(-) Klenow	Not available.	
		dATP	Not available.	
		SureSelect Adaptor Oligo Mix	Not available.	
		SureSelect Primer	Not available.	
		SureSelect Hyb 1	Not available.	
		SureSelect Hyb 2	Not available.	
		SureSelect Hyb 4	Not available.	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	Not available.	
		SureSelect Wash Buffer 2	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.	
		SureSelect Hyb 3	Not available.	
		SureSelect Block 2	Odourless.	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Indexing Block 3	Not available.	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.	
		SureSelect XT 8 bp Indexes	Not available.	

Section 9. Physical and chemical properties and safety characteristics

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 Adaptor Oligo Mix	Not available.	
		SureSelect Primer	Not available.	
		SureSelect Hyb 1	Not available.	
		SureSelect Hyb 2	Not available.	
		SureSelect Hyb 4	Not available.	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	Not available.	
		SureSelect Wash Buffer 2	Not available.	
		SureSelect RNase Block	Not available.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.	
		SureSelect Hyb 3	Not available.	
		SureSelect Block 2	Not available.	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Indexing Block 3	Not available.	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.	
		SureSelect XT 8 bp Indexes	Not available.	
	pH	:	10X End Repair Buffer	7 to 8
			5X T4 DNA Ligase Buffer	7 to 8
			Klenow DNA Polymerase	6.5 to 7.5
			T4 DNA Ligase	7 to 8
			T4 DNA Polymerase	6 to 7
		T4 Polynucleotide Kinase	6.9 to 7.9	
		dNTP Mix	7.5	
		10x Klenow Polymerase Buffer	7 to 8	
		Exo(-) Klenow	6.5 to 7.5	
		dATP	7 to 8	
		SureSelect Adaptor Oligo Mix	7.5	
		SureSelect Primer	7.5	
		SureSelect Hyb 1	7.4	
		SureSelect Hyb 2	8	
		SureSelect Hyb 4	Not available.	
		SureSelect Binding Buffer	7.5	
		SureSelect Wash Buffer 1	7	
		SureSelect Wash Buffer 2	7	
		SureSelect RNase Block	Not available.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.	
		SureSelect Hyb 3	7	
		SureSelect Block 2	8	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Indexing Block 3	Not available.	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.	
	SureSelect XT 8 bp Indexes	7		

Section 9. Physical and chemical properties and safety characteristics

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	Not available.	
		10x Klenow Polymerase Buffer	Not available.	
		Exo(-) Klenow	Not available.	
		dATP	0°C (32°F)	
		SureSelect Adaptor Oligo Mix	0°C (32°F)	
		SureSelect Primer	0°C (32°F)	
		SureSelect Hyb 1	Not available.	
		SureSelect Hyb 2	Not available.	
		SureSelect Hyb 4	0°C (32°F)	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	0°C (32°F)	
		SureSelect Wash Buffer 2	0°C (32°F)	
		SureSelect RNase Block	Not available.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	0°C (32°F)	
		SureSelect Hyb 3	0°C (32°F)	
		SureSelect Block 2	0°C (32°F)	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Indexing Block 3	0°C (32°F)	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	0°C (32°F)	
		SureSelect XT 8 bp Indexes	0°C (32°F)	
	Boiling point, 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	Not available.	
		10x Klenow Polymerase Buffer	Not available.	
		Exo(-) Klenow	Not available.	
		dATP	100°C (212°F)	
		SureSelect Adaptor Oligo Mix	100°C (212°F)	
		SureSelect Primer	100°C (212°F)	
		SureSelect Hyb 1	Not available.	
		SureSelect Hyb 2	Not available.	
		SureSelect Hyb 4	100°C (212°F)	
		SureSelect Binding Buffer	Not available.	
		SureSelect Wash Buffer 1	100°C (212°F)	
		SureSelect Wash Buffer 2	100°C (212°F)	
		SureSelect RNase Block	Not available.	
		SureSelect ILM Indexing Post Capture Forward PCR Primer	100°C (212°F)	
		SureSelect Hyb 3	100°C (212°F)	
		SureSelect Block 2	100°C (212°F)	
		SureSelect Indexing Block 1	Not available.	
		SureSelect Indexing Block 3	100°C (212°F)	
		SureSelect ILM Index Pre Capture PCR Reverse Primer	100°C (212°F)	
		SureSelect XT 8 bp Indexes	100°C (212°F)	

Section 9. Physical and chemical properties and safety characteristics

Flash point

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
10X End Repair Buffer (R*,R*) -1,4-Dimercaptobutane-2,3-diol	>110	>230	-	-	-	-
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated	171 to 235	339.8 to 455	-	199 to 238	390.2 to 460.4	-
Klenow DNA Polymerase Glycerol	-	-	-	177	350.6	-
T4 DNA Ligase Glycerol	-	-	-	177	350.6	-
T4 DNA Polymerase Glycerol	-	-	-	177	350.6	-
T4 Polynucleotide Kinase Glycerol	-	-	-	177	350.6	-
Exo(-) Klenow Glycerol	-	-	-	177	350.6	-
SureSelect RNase Block Glycerol	-	-	-	177	350.6	-
SureSelect Indexing Block 1 Glycerol	-	-	-	177	350.6	-

Section 9. Physical and chemical properties and safety characteristics

Evaporation rate	:	10X End Repair Buffer	Not available.
		5X T4 DNA Ligase Buffer	Not available.
		Klenow DNA Polymerase	Not available.
		T4 DNA Ligase	Not available.
		T4 DNA Polymerase	Not available.
		T4 Polynucleotide Kinase	Not available.
		dNTP Mix	Not available.
		10x Klenow Polymerase Buffer	Not available.
		Exo(-) Klenow	Not available.
		dATP	Not available.
		SureSelect Adaptor Oligo Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect Hyb 1	Not available.
		SureSelect Hyb 2	Not available.
		SureSelect Hyb 4	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect RNase Block	Not available.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.
		SureSelect Hyb 3	Not available.
		SureSelect Block 2	Not available.
		SureSelect Indexing Block 1	Not available.
		SureSelect Indexing Block 3	Not available.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.
		SureSelect XT 8 bp Indexes	Not available.
Flammability	:	10X End Repair Buffer	Not applicable.
		5X T4 DNA Ligase Buffer	Not applicable.
		Klenow DNA Polymerase	Not applicable.
		T4 DNA Ligase	Not applicable.
		T4 DNA Polymerase	Not applicable.
		T4 Polynucleotide Kinase	Not applicable.
		dNTP Mix	Not applicable.
		10x Klenow Polymerase Buffer	Not applicable.
		Exo(-) Klenow	Not applicable.
		dATP	Not applicable.
		SureSelect Adaptor Oligo Mix	Not applicable.
		SureSelect Primer	Not applicable.
		SureSelect Hyb 1	Not applicable.
		SureSelect Hyb 2	Not applicable.
		SureSelect Hyb 4	Not applicable.
		SureSelect Binding Buffer	Not applicable.
		SureSelect Wash Buffer 1	Not applicable.
		SureSelect Wash Buffer 2	Not applicable.
		SureSelect RNase Block	Not applicable.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not applicable.
		SureSelect Hyb 3	Not applicable.
		SureSelect Block 2	Not applicable.
		SureSelect Indexing Block 1	Not applicable.
		SureSelect Indexing Block 3	Not applicable.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not applicable.
		SureSelect XT 8 bp Indexes	Not applicable.

Section 9. Physical and chemical properties and safety characteristics

Lower and upper explosion limit/flammability limit	10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Indexing Block 3	Not available.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.

Vapour pressure

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
10X End Repair Buffer						
water	17.5	2.3	-	92.258	12.3	-
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	0.000027	0.0000036	-	0.000007501	0.000001	-
5X T4 DNA Ligase Buffer						
water	17.5	2.3	-	92.258	12.3	-
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	0.000027	0.0000036	-	0.000007501	0.000001	-
Klenow DNA Polymerase						
water	17.5	2.3	-	92.258	12.3	-

Section 9. Physical and chemical properties and safety characteristics

Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
T4 DNA Ligase						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
T4 DNA Polymerase						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
T4 Polynucleotide Kinase						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
dNTP Mix						
water	17.5	2.3	-	92.258	12.3	-
10x Klenow Polymerase Buffer						
water	17.5	2.3	-	92.258	12.3	-
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	0.000027	0.0000036	-	0.000007501	0.000001	-
Exo(-) Klenow						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
dATP						
water	17.5	2.3	-	92.258	12.3	-
SureSelect Adaptor Oligo Mix						
water	17.5	2.3	-	92.258	12.3	-
SureSelect Primer						
water	17.5	2.3	-	92.258	12.3	-

Section 9. Physical and chemical properties and safety characteristics

SureSelect Hyb 1							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Hyb 2							
water	17.5	2.3	-	92.258	12.3	-	
Edetic acid	0	0	-	-	-	-	
SureSelect Hyb 4							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Binding Buffer							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Wash Buffer 1							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Wash Buffer 2							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect RNase Block							
water	17.5	2.3	-	92.258	12.3	-	
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
SureSelect ILM Indexing Post Capture Forward PCR Primer							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Hyb 3							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect Block 2							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect							

Section 9. Physical and chemical properties and safety characteristics

Indexing Block 1							
water	17.5	2.3	-	92.258	12.3	-	
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
SureSelect Indexing Block 3							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect ILM Index Pre Capture PCR Reverse Primer							
water	17.5	2.3	-	92.258	12.3	-	
SureSelect XT 8 bp Indexes							
water	17.5	2.3	-	92.258	12.3	-	

Relative 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 dATP	Not available.
		SureSelect Adaptor Oligo Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect Hyb 1	Not available.
		SureSelect Hyb 2	Not available.
		SureSelect Hyb 4	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect RNase Block	Not available.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.
		SureSelect Hyb 3	Not available.
		SureSelect Block 2	Not available.
		SureSelect Indexing Block 1	Not available.
		SureSelect Indexing Block 3	Not available.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.
		SureSelect XT 8 bp Indexes	Not available.

Section 9. Physical and chemical properties and safety characteristics

Relative density	:	10X End Repair Buffer	Not available.
		5X T4 DNA Ligase Buffer	Not available.
		Klenow DNA Polymerase	Not available.
		T4 DNA Ligase	Not available.
		T4 DNA Polymerase	Not available.
		T4 Polynucleotide Kinase	Not available.
		dNTP Mix	Not available.
		10x Klenow Polymerase Buffer	Not available.
		Exo(-) Klenow	Not available.
		dATP	Not available.
		SureSelect Adaptor Oligo Mix	Not available.
		SureSelect Primer	Not available.
		SureSelect Hyb 1	Not available.
		SureSelect Hyb 2	Not available.
		SureSelect Hyb 4	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect RNase Block	Not available.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.
		SureSelect Hyb 3	Not available.
		SureSelect Block 2	Not available.
		SureSelect Indexing Block 1	Not available.
		SureSelect Indexing Block 3	Not available.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.
		SureSelect XT 8 bp Indexes	Not available.

Solubility(ies)	:	Media	Result
		10X End Repair Buffer	
		water	Soluble
		5X T4 DNA Ligase Buffer	
		water	Soluble
		Klenow DNA Polymerase	
		water	Soluble
		T4 DNA Ligase	
		water	Soluble
		T4 DNA Polymerase	
		water	Soluble
		T4 Polynucleotide Kinase	
		water	Soluble
		dNTP Mix	
		water	Soluble
		10x Klenow Polymerase Buffer	
		water	Soluble
		Exo(-) Klenow	
		water	Soluble
		dATP	
		water	Soluble
		SureSelect Adaptor Oligo Mix	
		water	Soluble
		SureSelect Primer	
		water	Soluble
		SureSelect Hyb 1	
		water	Soluble
		SureSelect Hyb 2	
		water	Soluble
		SureSelect Hyb 4	

Section 9. Physical and chemical properties and safety characteristics

water	Soluble
SureSelect Binding Buffer	
water	Soluble
SureSelect Wash Buffer 1	
water	Soluble
SureSelect Wash Buffer 2	
water	Soluble
SureSelect RNase Block	
water	Soluble
SureSelect ILM Indexing Post Capture Forward PCR Primer	
water	Soluble
SureSelect Hyb 3	
water	Soluble
SureSelect Block 2	
water	Soluble
SureSelect Indexing Block 1	
water	Soluble
SureSelect Indexing Block 3	
water	Soluble
SureSelect ILM Index Pre Capture PCR Reverse Primer	
water	Soluble
SureSelect XT 8 bp Indexes	
water	Soluble

Partition coefficient: n-octanol/water

10X End Repair Buffer	Not applicable.
5X T4 DNA Ligase Buffer	Not applicable.
Klenow DNA Polymerase	Not applicable.
T4 DNA Ligase	Not applicable.
T4 DNA Polymerase	Not applicable.
T4 Polynucleotide Kinase	Not applicable.
dNTP Mix	Not applicable.
10x Klenow Polymerase Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
dATP	Not applicable.
SureSelect Adaptor Oligo Mix	Not applicable.
SureSelect Primer	Not applicable.
SureSelect Hyb 1	Not applicable.
SureSelect Hyb 2	Not applicable.
SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Indexing Block 3	Not applicable.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Not applicable.
SureSelect XT 8 bp Indexes	Not applicable.

Auto-ignition temperature

:

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	°C	°F	Method
5X T4 DNA Ligase Buffer			
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	360	680	-
Klenow DNA Polymerase			
Glycerol	370	698	-
T4 DNA Ligase			
Glycerol	370	698	-
T4 DNA Polymerase			
Glycerol	370	698	-
T4 Polynucleotide Kinase			
Glycerol	370	698	-
Exo(-) Klenow			
Glycerol	370	698	-
SureSelect Hyb 2			
Edetic acid	>400	>752	VDI 2263
SureSelect RNase Block			
Glycerol	370	698	-
SureSelect Indexing Block 1			
Glycerol	370	698	-

Decomposition temperature : 10X End Repair Buffer Not available.
 5X T4 DNA Ligase Buffer Not available.
 Klenow DNA Polymerase Not available.
 T4 DNA Ligase Not available.
 T4 DNA Polymerase Not available.
 T4 Polynucleotide Kinase Not available.
 dNTP Mix Not available.
 10x Klenow Polymerase Buffer Not available.
 Exo(-) Klenow Not available.
 dATP Not available.
 SureSelect Adaptor Oligo Mix Not available.
 SureSelect Primer Not available.
 SureSelect Hyb 1 Not available.
 SureSelect Hyb 2 Not available.
 SureSelect Hyb 4 Not available.
 SureSelect Binding Buffer Not available.

Section 9. Physical and chemical properties and safety characteristics

	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect ILM Indexing	Not available.
	Post Capture Forward PCR Primer	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Indexing Block 3	Not available.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.
Viscosity	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect Hyb 1	Not available.
	SureSelect Hyb 2	Not available.
	SureSelect Hyb 4	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect RNase Block	Not available.
	SureSelect ILM Indexing	Not available.
	Post Capture Forward PCR Primer	
	SureSelect Hyb 3	Not available.
	SureSelect Block 2	Not available.
	SureSelect Indexing Block 1	Not available.
	SureSelect Indexing Block 3	Not available.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.
	SureSelect XT 8 bp Indexes	Not available.

Particle characteristics

Median particle size	: 10X End Repair Buffer	Not applicable.
	5X T4 DNA Ligase Buffer	Not applicable.
	Klenow DNA Polymerase	Not applicable.
	T4 DNA Ligase	Not applicable.
	T4 DNA Polymerase	Not applicable.
	T4 Polynucleotide Kinase	Not applicable.
	dNTP Mix	Not applicable.
	10x Klenow Polymerase Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	dATP	Not applicable.
	SureSelect Adaptor Oligo Mix	Not applicable.
	SureSelect Primer	Not applicable.
	SureSelect Hyb 1	Not applicable.
	SureSelect Hyb 2	Not applicable.

Section 9. Physical and chemical properties and safety characteristics

SureSelect Hyb 4	Not applicable.
SureSelect Binding Buffer	Not applicable.
SureSelect Wash Buffer 1	Not applicable.
SureSelect Wash Buffer 2	Not applicable.
SureSelect RNase Block	Not applicable.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Not applicable.
SureSelect Hyb 3	Not applicable.
SureSelect Block 2	Not applicable.
SureSelect Indexing Block 1	Not applicable.
SureSelect Indexing Block 3	Not applicable.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Not applicable.
SureSelect XT 8 bp Indexes	Not applicable.

Section 10. Stability and reactivity

Reactivity	:	10X End Repair Buffer	No specific test data related to reactivity available for this product or its ingredients.
		5X T4 DNA Ligase Buffer	No specific test data related to reactivity available for this product or its ingredients.
		Klenow DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
		T4 DNA Ligase	No specific test data related to reactivity available for this product or its ingredients.
		T4 DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
		T4 Polynucleotide Kinase	No specific test data related to reactivity available for this product or its ingredients.
		dNTP Mix	No specific test data related to reactivity available for this product or its ingredients.
		10x Klenow Polymerase Buffer	No specific test data related to reactivity available for this product or its ingredients.
		Exo(-) Klenow	No specific test data related to reactivity available for this product or its ingredients.
		dATP	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Adaptor Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Primer	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Hyb 1	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Hyb 2	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Hyb 4	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Binding Buffer	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Wash Buffer 1	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect Wash Buffer 2	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect RNase Block	No specific test data related to reactivity available for this product or its ingredients.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	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.

Section 10. Stability and reactivity

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 Indexing Block 3	No specific test data related to reactivity available for this product or its ingredients.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect XT 8 bp Indexes	No specific test data related to reactivity available for this product or its ingredients.

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 dATP	The product is stable.
SureSelect Adaptor Oligo Mix	The product is stable.
SureSelect Primer	The product is stable.
SureSelect Hyb 1	The product is stable.
SureSelect Hyb 2	The product is stable.
SureSelect Hyb 4	The product is stable.
SureSelect Binding Buffer	The product is stable.
SureSelect Wash Buffer 1	The product is stable.
SureSelect Wash Buffer 2	The product is stable.
SureSelect RNase Block	The product is stable.
SureSelect ILM Indexing Post Capture Forward PCR Primer	The product is stable.
SureSelect Hyb 3	The product is stable.
SureSelect Block 2	The product is stable.
SureSelect Indexing Block 1	The product is stable.
SureSelect Indexing Block 3	The product is stable.
SureSelect ILM Index Pre Capture PCR Reverse Primer	The product is stable.
SureSelect XT 8 bp Indexes	The product is stable.

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,

Section 10. Stability and reactivity

SureSelect Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Hyb 1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Hyb 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Hyb 4	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect ILM Indexing Post Capture Forward PCR Primer	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	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Indexing Block 3	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect XT 8 bp Indexes	Under normal conditions of storage and use, hazardous reactions will not occur.

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 Adaptor Oligo Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	No specific data.
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect RNase Block	No specific data.
SureSelect ILM Indexing Post Capture Forward PCR Primer	No specific data.
SureSelect Hyb 3	No specific data.
SureSelect Block 2	No specific data.
SureSelect Indexing Block 1	No specific data.
SureSelect Indexing Block 3	No specific data.

Section 10. Stability and reactivity

dATP	produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Hyb 4	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Binding Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect ILM Indexing Post Capture Forward PCR Primer	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 Indexing Block 3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect XT 8 bp Indexes	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

[Information on toxicological effects](#)

[Acute toxicity](#)

Section 11. Toxicological information

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 Hyb 2 Edetic acid	LD50 Oral	Rat	4500 mg/kg	-
SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-
SureSelect Indexing Block 1 Glycerol	LD50 Oral	Rat	12600 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
Klenow DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
T4 DNA Ligase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
T4 DNA Polymerase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
T4 Polynucleotide Kinase Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Exo(-) Klenow					

Section 11. Toxicological information

Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
SureSelect RNase Block Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
SureSelect Indexing Block 1 Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitisation

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
SureSelect Hyb 2 Edetic acid	Category 2	inhalation	respiratory tract

Aspiration hazard

Not available.

Information on likely routes of exposure	10X End Repair Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	5X T4 DNA Ligase Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Klenow DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	T4 DNA Ligase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	T4 DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	T4 Polynucleotide Kinase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Exo(-) Klenow	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	dATP	Not available.

Section 11. Toxicological information

SureSelect Adaptor Oligo Mix	Not available.
SureSelect Primer	Not available.
SureSelect Hyb 1	Not available.
SureSelect Hyb 2	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect Hyb 4	Not available.
SureSelect Binding Buffer	Not available.
SureSelect Wash Buffer 1	Not available.
SureSelect Wash Buffer 2	Not available.
SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect ILM Indexing Post Capture Forward PCR Primer	Not available.
SureSelect Hyb 3	Not available.
SureSelect Block 2	Not available.
SureSelect Indexing Block 1	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect Indexing Block 3	Not available.
SureSelect ILM Index Pre Capture PCR Reverse Primer	Not available.
SureSelect XT 8 bp Indexes	Not available.

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	Causes eye irritation.
T4 DNA Ligase	Causes eye irritation.
T4 DNA Polymerase	Causes eye irritation.
T4 Polynucleotide Kinase	Causes eye irritation.
dNTP Mix	No known significant effects or critical hazards.
10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
Exo(-) Klenow dATP	Causes eye irritation.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect Hyb 1	No known significant effects or critical hazards.
SureSelect Hyb 2	Causes serious eye irritation.
SureSelect Hyb 4	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect RNase Block	Causes eye irritation.
SureSelect ILM Indexing Post Capture Forward PCR Primer	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	Causes eye irritation.
SureSelect Indexing Block 3	No known significant effects or critical hazards.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes	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	No known significant effects or critical hazards.

Inhalation

Section 11. Toxicological information

	Buffer	
	Exo(-) Klenow	No known significant effects or critical hazards.
	dATP	No known significant effects or critical hazards.
	SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM Indexing	No known significant effects or critical hazards.
	Post Capture Forward PCR	
	Primer	
	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 Indexing Block 3	No known significant effects or critical hazards.
	SureSelect ILM Index Pre	No known significant effects or critical hazards.
	Capture PCR Reverse	
	Primer	
	SureSelect XT 8 bp Indexes	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	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 Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect Hyb 1	No known significant effects or critical hazards.
	SureSelect Hyb 2	No known significant effects or critical hazards.
	SureSelect Hyb 4	No known significant effects or critical hazards.
	SureSelect Binding Buffer	No known significant effects or critical hazards.
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect ILM Indexing	No known significant effects or critical hazards.
	Post Capture Forward PCR	
	Primer	
	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 Indexing Block 3	No known significant effects or critical hazards.
	SureSelect ILM Index Pre	No known significant effects or critical hazards.
	Capture PCR Reverse	
	Primer	
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
Ingestion	:	
	10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase	No known significant effects or critical hazards.
	Buffer	

Section 11. Toxicological information

Exo(-) Klenow	No known significant effects or critical hazards.
dATP	No known significant effects or critical hazards.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect Hyb 1	No known significant effects or critical hazards.
SureSelect Hyb 2	No known significant effects or critical hazards.
SureSelect Hyb 4	No known significant effects or critical hazards.
SureSelect Binding Buffer	No known significant effects or critical hazards.
SureSelect Wash Buffer 1	No known significant effects or critical hazards.
SureSelect Wash Buffer 2	No known significant effects or critical hazards.
SureSelect RNase Block	No known significant effects or critical hazards.
SureSelect ILM Indexing	No known significant effects or critical hazards.
Post Capture Forward PCR Primer	
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 Indexing Block 3	No known significant effects or critical hazards.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

10X End Repair Buffer	No specific data.
5X T4 DNA Ligase Buffer	No specific data.
Klenow DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
T4 DNA Ligase	Adverse symptoms may include the following: irritation watering redness
T4 DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
T4 Polynucleotide Kinase	Adverse symptoms may include the following: irritation watering redness
dNTP Mix	No specific data.
10x Klenow Polymerase Buffer	No specific data.
Exo(-) Klenow	Adverse symptoms may include the following: irritation watering redness
dATP	No specific data.
SureSelect Adaptor Oligo Mix	No specific data.
SureSelect Primer	No specific data.
SureSelect Hyb 1	No specific data.
SureSelect Hyb 2	Adverse symptoms may include the following: pain or irritation watering redness
SureSelect Hyb 4	No specific data.
SureSelect Binding Buffer	No specific data.
SureSelect Wash Buffer 1	No specific data.
SureSelect Wash Buffer 2	No specific data.
SureSelect RNase Block	Adverse symptoms may include the following: irritation

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watering
redness
No specific data.

SureSelect ILM Indexing Post Capture Forward PCR Primer
SureSelect Hyb 3
SureSelect Block 2
SureSelect Indexing Block 1
Adverse symptoms may include the following:
irritation
watering
redness

SureSelect Indexing Block 3
SureSelect ILM Index Pre Capture PCR Reverse Primer
No specific data.

Inhalation

: SureSelect XT 8 bp Indexes
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 Adaptor Oligo Mix
SureSelect Primer
SureSelect Hyb 1
SureSelect Hyb 2
SureSelect Hyb 4
SureSelect Binding Buffer
SureSelect Wash Buffer 1
SureSelect Wash Buffer 2
SureSelect RNase Block
SureSelect ILM Indexing Post Capture Forward PCR Primer
SureSelect Hyb 3
SureSelect Block 2
SureSelect Indexing Block 1
SureSelect Indexing Block 3
SureSelect ILM Index Pre Capture PCR Reverse Primer
No specific data.

Skin contact

: SureSelect XT 8 bp Indexes
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 Adaptor Oligo Mix
SureSelect Primer
SureSelect Hyb 1
SureSelect Hyb 2
SureSelect Hyb 4
No specific data.

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	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect ILM Indexing	No specific data.
	Post Capture Forward PCR Primer	
	SureSelect Hyb 3	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data.
Ingestion	SureSelect XT 8 bp Indexes	No specific data.
	: 10X End Repair Buffer	No specific data.
	5X T4 DNA Ligase Buffer	No specific data.
	Klenow DNA Polymerase	No specific data.
	T4 DNA Ligase	No specific data.
	T4 DNA Polymerase	No specific data.
	T4 Polynucleotide Kinase	No specific data.
	dNTP Mix	No specific data.
	10x Klenow Polymerase Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	dATP	No specific data.
	SureSelect Adaptor Oligo Mix	No specific data.
	SureSelect Primer	No specific data.
	SureSelect Hyb 1	No specific data.
	SureSelect Hyb 2	No specific data.
	SureSelect Hyb 4	No specific data.
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect ILM Indexing	No specific data.
	Post Capture Forward PCR Primer	
	SureSelect Hyb 3	No specific data.
	SureSelect Block 2	No specific data.
	SureSelect Indexing Block 1	No specific data.
	SureSelect Indexing Block 3	No specific data.
	SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data.
	SureSelect XT 8 bp Indexes	No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Section 11. Toxicological information

General	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
		SureSelect Primer	No known significant effects or critical hazards.
		SureSelect Hyb 1	No known significant effects or critical hazards.
		SureSelect Hyb 2	May cause damage to organs through prolonged or repeated 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.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	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 Indexing Block 3	No known significant effects or critical hazards.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
		SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
	Carcinogenicity	:	10X End Repair Buffer
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
		SureSelect Primer	No known significant effects or critical hazards.
		SureSelect Hyb 1	No known significant effects or critical hazards.
		SureSelect Hyb 2	No known significant effects or critical hazards.
		SureSelect Hyb 4	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	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 Indexing Block 3	No known significant effects or critical hazards.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
		SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

Section 11. Toxicological information

Mutagenicity	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
		SureSelect Primer	No known significant effects or critical hazards.
		SureSelect Hyb 1	No known significant effects or critical hazards.
		SureSelect Hyb 2	No known significant effects or critical hazards.
		SureSelect Hyb 4	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	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 Indexing Block 3	No known significant effects or critical hazards.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
		SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
Reproductive toxicity	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	No known significant effects or critical hazards.
		T4 DNA Ligase	No known significant effects or critical hazards.
		T4 DNA Polymerase	No known significant effects or critical hazards.
		T4 Polynucleotide Kinase	No known significant effects or critical hazards.
		dNTP Mix	No known significant effects or critical hazards.
		10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		dATP	No known significant effects or critical hazards.
		SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
		SureSelect Primer	No known significant effects or critical hazards.
		SureSelect Hyb 1	No known significant effects or critical hazards.
		SureSelect Hyb 2	No known significant effects or critical hazards.
		SureSelect Hyb 4	No known significant effects or critical hazards.
		SureSelect Binding Buffer	No known significant effects or critical hazards.
		SureSelect Wash Buffer 1	No known significant effects or critical hazards.
		SureSelect Wash Buffer 2	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect ILM Indexing Post Capture Forward PCR Primer	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 Indexing Block 3	No known significant effects or critical hazards.
		SureSelect ILM Index Pre Capture PCR Reverse Primer	No known significant effects or critical hazards.
		SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

Section 11. Toxicological information

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
10X End Repair Buffer 10X End Repair Buffer	32467.5	N/A	N/A	N/A	N/A
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy-Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A
Klenow DNA Polymerase Glycerol	12600	N/A	N/A	N/A	N/A
T4 DNA Ligase Glycerol	12600	N/A	N/A	N/A	N/A
T4 DNA Polymerase Glycerol	12600	N/A	N/A	N/A	N/A
T4 Polynucleotide Kinase Glycerol	12600	N/A	N/A	N/A	N/A
Exo(-) Klenow Glycerol	12600	N/A	N/A	N/A	N/A
SureSelect Hyb 2 SureSelect Hyb 2 Edetic acid	N/A 4500	N/A N/A	N/A N/A	N/A N/A	10.3 1.5
SureSelect RNase Block Glycerol	12600	N/A	N/A	N/A	N/A
SureSelect Indexing Block 1 Glycerol	12600	N/A	N/A	N/A	N/A

Other information

: 10X End Repair Buffer	Adverse symptoms may include the following: May cause skin sensitisation.
Klenow DNA Polymerase	Adverse symptoms may include the following: May cause skin sensitisation.
10x Klenow Polymerase Buffer	Adverse symptoms may include the following: May cause skin sensitisation.
Exo(-) Klenow	Adverse symptoms may include the following: May cause skin sensitisation.
SureSelect RNase Block	Adverse symptoms may include the following: May cause skin sensitisation.

Section 12. Ecological information

Toxicity

Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >1000000 μ g/l Fresh water	Fish - <i>Salmo salar</i> - Parr	96 hours
Klenow DNA Polymerase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
T4 DNA Ligase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
T4 DNA Polymerase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
T4 Polynucleotide Kinase Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
Exo(-) Klenow Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
SureSelect Hyb 2 Edetic acid	Acute EC50 >60 mg/l Fresh water	Algae - <i>Raphidocelis subcapitata</i>	72 hours
	Acute EC50 113000 μ g/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 129000 μ g/l Fresh water	Fish - <i>Ictalurus punctatus</i> - Fingerling	96 hours
SureSelect RNase Block Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
SureSelect Indexing Block 1 Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-
	Klenow DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-
T4 DNA Ligase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 DNA Polymerase Glycerol	301D Ready Biodegradability -	93 % - 30 days	-	-

Section 12. Ecological information

T4 Polynucleotide Kinase Glycerol	Closed Bottle Test	93 % - 30 days	-	-
Exo(-) Klenow Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
SureSelect RNase Block Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
SureSelect Indexing Block 1 Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	-	-	Readily
SureSelect Hyb 2 Edetic acid	-	-	Not readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
5X T4 DNA Ligase Buffer Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	-	3.2	Low
Klenow DNA Polymerase Glycerol	-1.76	-	Low
T4 DNA Ligase Glycerol	-1.76	-	Low
T4 DNA Polymerase Glycerol	-1.76	-	Low
T4 Polynucleotide Kinase Glycerol	-1.76	-	Low
Exo(-) Klenow Glycerol	-1.76	-	Low
SureSelect Hyb 2 Edetic acid	-	1.8	Low

Section 12. Ecological information

SureSelect RNase Block Glycerol	-1.76	-	Low
SureSelect Indexing Block 1 Glycerol	-1.76	-	Low

Mobility in soil

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

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

Section 13. Disposal considerations

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

Section 14. Transport information

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

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

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

5

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

Section 15. Regulatory information

[UNECE Aarhus Protocol on POPs and Heavy Metals](#)

Not listed.

[Inventory list](#)

Australia	: Not determined.
New Zealand	: Not determined.
United States	: <input checked="" type="checkbox"/> All components are active or exempted.

Section 16. Any other relevant information

[History](#)

Date of issue/Date of revision : 12/03/2024

Date of previous issue : 03/03/2021

Version : 6

[Key to abbreviations](#)

: ADG = Australian Dangerous Goods
 : ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 : ATE = Acute Toxicity Estimate
 : BCF = Bioconcentration Factor
 : GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 : IATA = International Air Transport Association
 : IBC = Intermediate Bulk Container
 : IMDG = International Maritime Dangerous Goods
 : LogPow = logarithm of the octanol/water partition coefficient
 : MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 : N/A = Not available
 : SUSMP = Standard Uniform Schedule of Medicine and Poisons
 : UN = United Nations

[Procedure used to derive the classification](#)

Classification	Justification
<input checked="" type="checkbox"/> Klenow DNA Polymerase SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
T4 DNA Ligase SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
T4 DNA Polymerase SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
T4 Polynucleotide Kinase SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
Exo(-) Klenow SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
SureSelect Hyb 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	Calculation method Calculation method
SureSelect RNase Block SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
SureSelect Indexing Block 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method

Indicates information that has changed from previously issued version.

[Notice to reader](#)

Section 16. Any other relevant information

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