

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.	:	<table> <tr><td>10X End Repair Buffer</td><td>5190-3609</td></tr> <tr><td>5X T4 DNA Ligase Buffer</td><td>5190-3610</td></tr> <tr><td>Klenow DNA Polymerase</td><td>5190-3615</td></tr> <tr><td>T4 DNA Ligase</td><td>5190-3612</td></tr> <tr><td>T4 DNA Polymerase</td><td>5190-3614</td></tr> <tr><td>T4 Polynucleotide Kinase</td><td>5190-3616</td></tr> <tr><td>dNTP Mix</td><td>5190-3618</td></tr> <tr><td>10x Klenow Polymerase Buffer</td><td>5190-3611</td></tr> <tr><td>Exo(-) Klenow</td><td>5190-3613</td></tr> <tr><td>dATP</td><td>5190-3617</td></tr> <tr><td>SureSelect Adaptor Oligo Mix</td><td>5190-3619</td></tr> <tr><td>SureSelect Primer</td><td>5190-3620</td></tr> <tr><td>SureSelect Hyb 1</td><td>5190-4404</td></tr> <tr><td>SureSelect Hyb 2</td><td>5190-4397</td></tr> <tr><td>SureSelect Hyb 4</td><td>5190-4406</td></tr> <tr><td>SureSelect Binding Buffer</td><td>5190-4407</td></tr> <tr><td>SureSelect Wash Buffer 1</td><td>5190-4408</td></tr> <tr><td>SureSelect Wash Buffer 2</td><td>5190-4409</td></tr> <tr><td>SureSelect RNase Block</td><td>5190-4386</td></tr> <tr><td>SureSelect ILM Indexing Post Capture</td><td>5190-4442</td></tr> <tr><td>Forward PCR Primer</td><td></td></tr> <tr><td>SureSelect Hyb 3</td><td>5190-4385</td></tr> <tr><td>SureSelect Block 2</td><td>5190-4384</td></tr> <tr><td>SureSelect Indexing Block 1</td><td>5190-4428</td></tr> <tr><td>SureSelect Indexing Block 3</td><td>5190-4446</td></tr> <tr><td>SureSelect ILM Index Pre Capture PCR</td><td>5190-4444</td></tr> <tr><td>Reverse Primer</td><td></td></tr> <tr><td>SureSelect XT 8 bp Indexes</td><td>5190-7928</td></tr> </table>	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
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Relevant identified uses of the substance or mixture and uses advised against

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

Forward PCR Primer	
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, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

Emergency telephone number (with hours of operation) : CHEMTREC®: 1-800-424-9300

Section 2. Hazard identification

Classification of the substance or mixture

Klenow DNA Polymerase

H320 EYE IRRITATION - Category 2B

T4 DNA Ligase

H320 EYE IRRITATION - Category 2B

T4 DNA Polymerase

H320 EYE IRRITATION - Category 2B

T4 Polynucleotide Kinase

H320 EYE IRRITATION - Category 2B

Exo(-) Klenow

H320 EYE IRRITATION - Category 2B

SureSelect Hyb 2

H319 EYE IRRITATION - Category 2A
H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

SureSelect RNase Block

H320 EYE IRRITATION - Category 2B

SureSelect Indexing Block 1

H320 EYE IRRITATION - Category 2B

GHS label elements

Hazard pictograms

: SureSelect Hyb 2



Section 2. Hazard identification

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 No signal word.
		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. 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	H319 - Causes serious eye irritation. H373 - 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	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.
		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.

Section 2. Hazard identification

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. 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 vapor.
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 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 or 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.

Storage

Section 2. Hazard identification

	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 Capture PCR Reverse Primer	Not applicable.
	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 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	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 Capture PCR Reverse Primer	Not applicable.
	SureSelect XT 8 bp Indexes	Not applicable.
Supplemental label elements	: 10X End Repair Buffer	None known.
	5X T4 DNA Ligase Buffer	None known.
	Klenow DNA Polymerase	None known.
	T4 DNA Ligase	None known.
	T4 DNA Polymerase	None known.
	T4 Polynucleotide Kinase	None known.
	dNTP Mix	None known.
	10x Klenow Polymerase Buffer	None known.
	Exo(-) Klenow	None known.
	dATP	None known.
	SureSelect Adaptor Oligo Mix	None known.
	SureSelect Primer	None known.
	SureSelect Hyb 1	None known.

Section 2. Hazard identification

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.
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%
Other hazards which do not result in classification :	
10X End Repair Buffer	None known.
5X T4 DNA Ligase Buffer	None known.
Klenow DNA Polymerase	None known.
T4 DNA Ligase	None known.
T4 DNA Polymerase	None known.
T4 Polynucleotide Kinase	None known.
dNTP Mix	None known.
10x Klenow Polymerase Buffer	None known.
Exo(-) Klenow	None known.
dATP	None known.
SureSelect 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.

Section 2. Hazard identification

SureSelect ILM Index Pre None known.
 Capture PCR Reverse
 Primer
 SureSelect XT 8 bp Indexes None known.

Section 3. Composition/information on ingredients

Substance/mixture

10X End Repair Buffer	Mixture
5X T4 DNA Ligase Buffer	Mixture
Klenow DNA Polymerase	Mixture
T4 DNA Ligase	Mixture
T4 DNA Polymerase	Mixture
T4 Polynucleotide Kinase	Mixture
dNTP Mix	Mixture
10x Klenow Polymerase Buffer	Mixture
Exo(-) Klenow	Mixture
dATP	Mixture
SureSelect Adaptor Oligo Mix	Mixture
SureSelect Primer	Mixture
SureSelect Hyb 1	Mixture
SureSelect Hyb 2	Mixture
SureSelect Hyb 4	Mixture
SureSelect Binding Buffer	Mixture
SureSelect Wash Buffer 1	Mixture
SureSelect Wash Buffer 2	Mixture
SureSelect RNase Block	Mixture
SureSelect ILM Indexing Post Capture Forward PCR Primer	Mixture
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	Mixture
SureSelect XT 8 bp Indexes	Mixture

Ingredient name	Synonyms	% (w/w)	CAS number
10X End Repair Buffer (R*,R*)-1,4-Dimercaptobutane-2,3-diol	Dithiotreitol	≥1 - ≤5	3483-12-3
Klenow DNA Polymerase Glycerol	Glycerol	≥30 - ≤60	56-81-5
T4 DNA Ligase Glycerol	Glycerol	≥30 - ≤60	56-81-5
T4 DNA Polymerase Glycerol	Glycerol	≥30 - ≤60	56-81-5
T4 Polynucleotide Kinase			

Section 3. Composition/information on ingredients

Glycerol	Glycerol	≥30 - ≤60	56-81-5
Exo(-) Klenow			
Glycerol	Glycerol	≥30 - ≤60	56-81-5
SureSelect Hyb 1			
Sodium dihydrogenorthophosphate	Sodium phosphate, monobasic	≥1 - ≤5	7558-80-7
SureSelect Hyb 2			
Edetic acid	EDTA	≥10 - ≤30	60-00-4
SureSelect Hyb 4			
Sodium dodecyl sulphate	Sodium dodecyl sulphate	≥0.1 - ≤1	151-21-3
SureSelect Wash Buffer 1			
Sodium dodecyl sulphate	Sodium dodecyl sulphate	≥0.1 - ≤1	151-21-3
SureSelect Wash Buffer 2			
Sodium dodecyl sulphate	Sodium dodecyl sulphate	≥0.1 - ≤1	151-21-3
SureSelect RNase Block			
Glycerol	Glycerol	≥30 - ≤60	56-81-5
SureSelect Indexing Block 1			
Glycerol	Glycerol	≥30 - ≤60	56-81-5

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

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.

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,


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	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 medical attention if irritation occurs.
SureSelect Hyb 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
SureSelect Hyb 4	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect Binding Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

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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 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.

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T4 DNA Ligase	<p>Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</p> <p>Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
T4 DNA Polymerase	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</p> <p>Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
T4 Polynucleotide Kinase	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</p> <p>Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
dNTP Mix	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</p>
10x Klenow Polymerase Buffer	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.</p>
Exo(-) Klenow	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</p> <p>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</p>

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dATP	as a collar, tie, belt or waistband. 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 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


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		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

:  OX 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

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Klenow DNA Polymerase

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.

T4 DNA Ligase

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.

T4 DNA Polymerase

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.

T4 Polynucleotide Kinase

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.

dNTP Mix

Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give

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10x Klenow Polymerase Buffer	small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Exo(-) Klenow	Wash out mouth with water. Remove dentures if any. 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

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SureSelect Binding Buffer	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 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 vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect Wash Buffer 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect 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

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SureSelect ILM Index Pre
Capture PCR Reverse
Primer

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. 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. 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

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.
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.

Inhalation

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	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.
Skin contact	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow dATP	No known significant effects or critical hazards.
	SureSelect 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.
Ingestion	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.

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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.

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.

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	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.
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.

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	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.
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.

[Indication of immediate medical attention and special treatment needed, if necessary](#)

Section 4. First-aid measures

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 ingested or inhaled.
	dATP	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Adaptor Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect 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

Section 4. First-aid measures

SureSelect ILM Indexing Post Capture Forward PCR Primer SureSelect Hyb 3	specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
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 SureSelect XT 8 bp Indexes	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

: 10X End Repair Buffer	No specific treatment.
5X T4 DNA Ligase Buffer	No specific treatment.
Klenow DNA Polymerase	No specific treatment.
T4 DNA Ligase	No specific treatment.
T4 DNA Polymerase	No specific treatment.
T4 Polynucleotide Kinase	No specific treatment.
dNTP Mix	No specific treatment.
10x Klenow Polymerase Buffer	No specific treatment.
Exo(-) Klenow	No specific treatment.
dATP	No specific treatment.
SureSelect Adaptor Oligo Mix	No specific treatment.
SureSelect Primer	No specific treatment.
SureSelect 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 Post Capture Forward PCR Primer	No specific treatment.
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 Capture PCR Reverse Primer	No specific treatment.
SureSelect XT 8 bp Indexes	No specific treatment.

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

Section 4. First-aid measures

	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. Fire-fighting 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.
SureSelect Hyb 4	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Binding Buffer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Wash Buffer 1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect Wash Buffer 2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect 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

Section 5. Fire-fighting measures

	SureSelect Indexing Block 1	surrounding fire. 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.
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

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dATP	and the container may burst. 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 materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
Klenow DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 DNA Ligase	Decomposition products may include the following materials: carbon dioxide carbon monoxide

Section 5. Fire-fighting measures

T4 DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
T4 Polynucleotide Kinase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
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
SureSelect ILM Indexing Post Capture Forward PCR Primer	No specific data.
SureSelect Hyb 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds carbonyl halides

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SureSelect Block 2	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
SureSelect Indexing Block 1	Decomposition products may include the following materials: carbon dioxide carbon monoxide
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.
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.
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.

Section 5. Fire-fighting measures

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.
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.

Section 5. Fire-fighting measures

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 pressure mode.

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SureSelect Binding Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Wash Buffer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect 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.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: 10X End Repair Buffer

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

5X T4 DNA Ligase Buffer

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

Section 6. Accidental release measures

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

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	areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect 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 spilled 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 spilled material. Avoid breathing vapor 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 spilled 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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor 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

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SureSelect Hyb 3	through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect Block 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect Indexing Block 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor 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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
For emergency responders : 10X End Repair Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
5X T4 DNA Ligase Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Klenow DNA Polymerase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Ligase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
T4 DNA Polymerase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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T4 Polynucleotide Kinase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
dNTP Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
10x Klenow Polymerase Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Exo(-) Klenow	If specialized clothing is required to deal with the 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 specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Adaptor Oligo Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Hyb 4	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Binding Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Wash Buffer 2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect RNase Block	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect ILM Indexing Post Capture Forward PCR Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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SureSelect Hyb 3	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Block 2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Indexing Block 1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect Indexing Block 3	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect ILM Index Pre Capture PCR Reverse Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect XT 8 bp Indexes	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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

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10x Klenow Polymerase Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Exo(-) Klenow	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
dATP	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Adaptor Oligo Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 1	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 2	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 4	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Binding Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Wash Buffer 1	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Wash Buffer 2	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect RNase Block	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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SureSelect ILM Indexing Post Capture Forward PCR Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Hyb 3	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Block 2	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Indexing Block 1	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Indexing Block 3	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect ILM Index Pre Capture PCR Reverse Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT 8 bp Indexes	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Methods for cleaning up : 10X End Repair Buffer

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

5X T4 DNA Ligase Buffer

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

Klenow DNA Polymerase

Stop leak if without risk. Move containers from spill 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

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	disposal container. Dispose of via a licensed waste disposal contractor.
T4 DNA Polymerase	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
T4 Polynucleotide Kinase	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
dNTP Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
10x Klenow Polymerase Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Exo(-) Klenow	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
dATP	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Adaptor Oligo Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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.

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SureSelect Hyb 4	disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect 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 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.

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

Section 7. Handling and storage

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

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	eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
dATP	Put on appropriate personal protective equipment (see Section 8).
SureSelect Adaptor Oligo Mix	Put on appropriate personal protective equipment (see Section 8).
SureSelect Primer	Put on appropriate personal protective equipment (see Section 8).
SureSelect 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 vapor 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 vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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 vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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).

Section 7. Handling and storage

Advice on general occupational hygiene

: 10X End Repair Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
5X T4 DNA Ligase Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Klenow DNA Polymerase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
T4 DNA Ligase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
T4 DNA Polymerase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
T4 Polynucleotide Kinase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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

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

Section 7. Handling and storage

	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 before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect ILM Index Pre Capture PCR Reverse 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 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

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : 10X End Repair Buffer

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

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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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

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 unlabeled 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

T4 DNA Polymerase

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

T4 Polynucleotide Kinase

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

Section 7. Handling and storage

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

Section 7. Handling and storage

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

Section 7. Handling and storage

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

Section 7. Handling and storage

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

Section 8. Exposure controls/personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
<p>Klenow DNA Polymerase Glycerol</p>	<p>CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. Form: mist TWA: 10 mg/m³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m³ 8 hours. Form: respirable mist TWA: 10 mg/m³ 8 hours. Form: total mist</p>
<p>T4 DNA Ligase Glycerol</p>	<p>CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. Form: mist TWA: 10 mg/m³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m³ 8 hours. Form: respirable mist TWA: 10 mg/m³ 8 hours. Form: total mist</p>
<p>T4 DNA Polymerase Glycerol</p>	<p>CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. Form: mist TWA: 10 mg/m³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m³ 8 hours. Form: respirable mist TWA: 10 mg/m³ 8 hours. Form: total mist</p>
<p>T4 Polynucleotide Kinase Glycerol</p>	<p>CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m³ 15 minutes. Form: mist TWA: 10 mg/m³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023).</p>

Section 8. Exposure controls/personal protection

Exo(-) Klenow
Glycerol

TWA: 3 mg/m³ 8 hours. Form: respirable mist
TWA: 10 mg/m³ 8 hours. Form: total mist

CA Alberta Provincial (Canada, 6/2018).
OEL: 10 mg/m³ 8 hours. Form: Mist
CA Quebec Provincial (Canada, 6/2022).
TWAEV: 10 mg/m³ 8 hours. Form: mist
CA Saskatchewan Provincial (Canada, 7/2013).
STEL: 20 mg/m³ 15 minutes. Form: mist
TWA: 10 mg/m³ 8 hours. Form: mist
CA British Columbia Provincial (Canada, 6/2023).
TWA: 3 mg/m³ 8 hours. Form: respirable mist
TWA: 10 mg/m³ 8 hours. Form: total mist

SureSelect RNase Block
Glycerol

CA Alberta Provincial (Canada, 6/2018).
OEL: 10 mg/m³ 8 hours. Form: Mist
CA Quebec Provincial (Canada, 6/2022).
TWAEV: 10 mg/m³ 8 hours. Form: mist
CA Saskatchewan Provincial (Canada, 7/2013).
STEL: 20 mg/m³ 15 minutes. Form: mist
TWA: 10 mg/m³ 8 hours. Form: mist
CA British Columbia Provincial (Canada, 6/2023).
TWA: 3 mg/m³ 8 hours. Form: respirable mist
TWA: 10 mg/m³ 8 hours. Form: total mist

SureSelect Indexing Block 1
Glycerol

CA Alberta Provincial (Canada, 6/2018).
OEL: 10 mg/m³ 8 hours. Form: Mist
CA Quebec Provincial (Canada, 6/2022).
TWAEV: 10 mg/m³ 8 hours. Form: mist
CA Saskatchewan Provincial (Canada, 7/2013).
STEL: 20 mg/m³ 15 minutes. Form: mist
TWA: 10 mg/m³ 8 hours. Form: mist
CA British Columbia Provincial (Canada, 6/2023).
TWA: 3 mg/m³ 8 hours. Form: respirable mist
TWA: 10 mg/m³ 8 hours. Form: total mist

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

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

Section 8. Exposure controls/personal protection

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

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.

Section 9. Physical and chemical properties and safety characteristics

	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 Capture PCR Reverse Primer	Liquid.
	SureSelect XT 8 bp Indexes	Liquid.
Color	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow 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	Colorless.
	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.
Odor	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow dATP	Not available.

Section 9. Physical and chemical properties and safety characteristics

	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	Odorless.
	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.
Odor threshold	: 10X End Repair Buffer	Not available.
	5X T4 DNA Ligase Buffer	Not available.
	Klenow DNA Polymerase	Not available.
	T4 DNA Ligase	Not available.
	T4 DNA Polymerase	Not available.
	T4 Polynucleotide Kinase	Not available.
	dNTP Mix	Not available.
	10x Klenow Polymerase Buffer	Not available.
	Exo(-) Klenow	Not available.
	dATP	Not available.
	SureSelect Adaptor Oligo Mix	Not available.
	SureSelect Primer	Not available.
	SureSelect 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.
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

Section 9. Physical and chemical properties and safety characteristics

	10x Klenow Polymerase Buffer	7 to 8
	Exo(-) Klenow dATP	6.5 to 7.5 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
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 dATP	Not available. 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)

Section 9. Physical and chemical properties and safety characteristics

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)

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	-	-	-	-
Klenow DNA Polymerase						
Glycerol	-	-	-	177	350.6	-
T4 DNA Ligase						
Glycerol	-	-	-	177	350.6	-
T4 DNA Polymerase						
Glycerol	-	-	-	177	350.6	-

Section 9. Physical and chemical properties and safety characteristics

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	-

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 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

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.
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	Not available.

Section 9. Physical and chemical properties and safety characteristics

Capture PCR Reverse
Primer
SureSelect XT 8 bp Indexes Not available.

Vapor pressure

Ingredient name	Vapor Pressure at 20°C			Vapor 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	-
5X T4 DNA Ligase Buffer						
water	17.5	2.3	-	92.258	12.3	-
Klenow DNA Polymerase						
water	17.5	2.3	-	92.258	12.3	-
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	-

Section 9. Physical and chemical properties and safety characteristics

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	-	
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							

Section 9. Physical and chemical properties and safety characteristics

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 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 vapor density

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

Section 9. Physical and chemical properties and safety characteristics

	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.
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.

Section 9. Physical and chemical properties and safety characteristics

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	
	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

Section 9. Physical and chemical properties and safety characteristics

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

Ingredient name	°C	°F	Method
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			

Section 9. Physical and chemical properties and safety characteristics

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 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.

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 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.

Section 9. Physical and chemical properties and safety characteristics

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.

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 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 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

Section 10. Stability and reactivity

T4 Polynucleotide Kinase	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.
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	The product is stable.
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.

Section 10. Stability and reactivity

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, hazardous reactions will not occur.
SureSelect Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect 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,

Section 10. Stability and reactivity

SureSelect Block 2	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.
SureSelect ILM Index Pre Capture PCR Reverse Primer	No specific data.
SureSelect XT 8 bp Indexes	No specific data.

Incompatible materials

: 10X End Repair Buffer	May react or be incompatible with oxidizing materials.
5X T4 DNA Ligase Buffer	May react or be incompatible with oxidizing materials.
Klenow DNA Polymerase	May react or be incompatible with oxidizing materials.
T4 DNA Ligase	May react or be incompatible with oxidizing materials.
T4 DNA Polymerase	May react or be incompatible with oxidizing materials.
T4 Polynucleotide Kinase	May react or be incompatible with oxidizing materials.
dNTP Mix	May react or be incompatible with oxidizing materials.
10x Klenow Polymerase Buffer	May react or be incompatible with oxidizing materials.
Exo(-) Klenow	May react or be incompatible with oxidizing materials.
dATP	May react or be incompatible with oxidizing materials.
SureSelect Adaptor Oligo Mix	May react or be incompatible with oxidizing materials.
SureSelect Primer	May react or be incompatible with oxidizing materials.
SureSelect Hyb 1	May react or be incompatible with oxidizing materials.
SureSelect Hyb 2	May react or be incompatible with oxidizing materials.

Section 10. Stability and reactivity

SureSelect Hyb 4	May react or be incompatible with oxidizing materials.
SureSelect Binding Buffer	May react or be incompatible with oxidizing materials.
SureSelect Wash Buffer 1	May react or be incompatible with oxidizing materials.
SureSelect Wash Buffer 2	May react or be incompatible with oxidizing materials.
SureSelect RNase Block	May react or be incompatible with oxidizing materials.
SureSelect ILM Indexing Post Capture Forward PCR Primer	May react or be incompatible with oxidizing materials.
SureSelect Hyb 3	May react or be incompatible with oxidizing materials.
SureSelect Block 2	May react or be incompatible with oxidizing materials.
SureSelect Indexing Block 1	May react or be incompatible with oxidizing materials.
SureSelect Indexing Block 3	May react or be incompatible with oxidizing materials.
SureSelect ILM Index Pre Capture PCR Reverse Primer	May react or be incompatible with oxidizing materials.
SureSelect XT 8 bp Indexes	May react or be incompatible with oxidizing materials.
Hazardous decomposition products	
: 10X End Repair Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
5X T4 DNA Ligase Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Klenow DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Ligase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
T4 Polynucleotide Kinase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
dNTP Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10x Klenow Polymerase Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Exo(-) Klenow	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
dATP	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect 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,

Section 10. Stability and reactivity

SureSelect Binding Buffer	hazardous decomposition products should not be produced. 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](#)

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 1 Sodium dihydrogenorthophosphate	LD50 Dermal	Rabbit	>7940 mg/kg	-

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SureSelect Hyb 2 Edetic acid	LD50 Oral	Rat	8290 mg/kg	-
SureSelect Hyb 4 Sodium dodecyl sulphate	LD50 Oral	Rat	4500 mg/kg	-
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	LD50 Oral	Rat	1288 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
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 Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
SureSelect Hyb 1 Sodium dihydrogenorthophosphate	Eyes - Mild irritant	Rabbit	-	150 mg	-
SureSelect Hyb 4 Sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	-	250 ug	-

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	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 mg	-
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-
	Eyes - Mild irritant	Rabbit	-	250 ug	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 mg	-
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-
	Eyes - Mild irritant	Rabbit	-	250 ug	-
	Eyes - Moderate irritant	Rabbit	-	10 mg	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 mg	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 mg	-
SureSelect RNase Block Glycerol	Skin - Moderate irritant	Rabbit	-	24 hours 25 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
SureSelect Indexing Block 1 Glycerol	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Section 11. Toxicological information

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
10X End Repair Buffer (R*,R*)-1,4-Dimercaptobutane-2,3-diol	Category 3	-	Respiratory tract irritation
SureSelect Hyb 4 Sodium dodecyl sulphate	Category 3	-	Respiratory tract irritation
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	Category 3	-	Respiratory tract irritation
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	Category 3	-	Respiratory tract irritation

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 the likely routes of exposure	<ul style="list-style-type: none"> : 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. 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.
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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	Causes eye irritation.
dATP	No known significant effects or critical hazards.
SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
SureSelect Primer	No known significant effects or critical hazards.
SureSelect 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.

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.
Skin contact	: 10X End Repair Buffer	No known significant effects or critical hazards.
	5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
	Klenow DNA Polymerase	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	T4 DNA Polymerase	No known significant effects or critical hazards.
	T4 Polynucleotide Kinase	No known significant effects or critical hazards.
	dNTP Mix	No known significant effects or critical hazards.
	10x Klenow Polymerase Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	dATP	No known significant effects or critical hazards.
	SureSelect Adaptor Oligo Mix	No known significant effects or critical hazards.
	SureSelect Primer	No known significant effects or critical hazards.
	SureSelect 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.

Section 11. Toxicological information

	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.
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.

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	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 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.	
	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.	

Section 11. Toxicological information

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

SureSelect XT 8 bp Indexes
No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	:	10X End Repair Buffer	No known significant effects or critical hazards.
		5X T4 DNA Ligase Buffer	No known significant effects or critical hazards.
		Klenow DNA Polymerase	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	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	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.

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	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	
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.
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	
	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	
	SureSelect XT 8 bp Indexes	No known significant effects or critical hazards.

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SureSelect Hyb 1 Sodium dihydrogenorthophosphate	17160.0 8290	N/A N/A	N/A N/A	N/A N/A	N/A N/A
SureSelect Hyb 2 SureSelect Hyb 2 Edetic acid	30821.9 4500	N/A N/A	N/A N/A	N/A N/A	10.3 1.5
SureSelect Hyb 4 Sodium dodecyl sulphate	1288	N/A	N/A	N/A	1.5
SureSelect Binding Buffer SureSelect Binding Buffer	51369.9	N/A	N/A	N/A	N/A
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	1288	N/A	N/A	N/A	1.5
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	1288	N/A	N/A	N/A	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 sensitization.

Klenow DNA Polymerase

Adverse symptoms may include the following: May cause skin sensitization.

10x Klenow Polymerase Buffer

Adverse symptoms may include the following: May cause skin sensitization.

Exo(-) Klenow

Adverse symptoms may include the following: May cause skin sensitization.

SureSelect RNase Block

Adverse symptoms may include the following: May cause skin sensitization.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
10X End Repair Buffer (R*,R*) -1,4-Dimercaptobutane-2,3-diol	Acute LC50 27000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 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

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Exo(-) Klenow Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
SureSelect Hyb 1 Sodium dihydrogenorthophosphate	Acute LC50 720 ppm Fresh water	Fish - <i>Gambusia affinis</i> - Adult	96 hours
SureSelect Hyb 2 Edetic acid	Acute EC50 >60 mg/l Fresh water Acute EC50 113000 µg/l Fresh water Acute LC50 129000 µg/l Fresh water	Algae - <i>Raphidocelis subcapitata</i> Daphnia - <i>Daphnia magna</i> - Neonate Fish - <i>Ictalurus punctatus</i> - Fingerling	72 hours 48 hours 96 hours
SureSelect Hyb 4 Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water Acute LC50 900 µg/l Marine water Acute LC50 1400 µg/l Fresh water Acute LC50 590 µg/l Fresh water Chronic NOEC 1.25 mg/l Marine water Chronic NOEC 1 mg/l Fresh water Chronic NOEC 3.2 mg/l Fresh water Chronic NOEC 0.8 mg/l Fresh water	Algae - <i>Skeletonema costatum</i> Crustaceans - <i>Artemia salina</i> - Adult Daphnia - <i>Daphnia pulex</i> - Neonate Fish - <i>Cirrhinus mrigala</i> - Larvae Algae - <i>Ulva fasciata</i> - Zoea Crustaceans - <i>Pseudosida ramosa</i> - Neonate Daphnia - <i>Daphnia magna</i> - Neonate Fish - <i>Gambusia holbrooki</i>	96 hours 48 hours 48 hours 96 hours 96 hours 21 days 21 days 28 days
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water Acute LC50 900 µg/l Marine water Acute LC50 1400 µg/l Fresh water Acute LC50 590 µg/l Fresh water Chronic NOEC 1.25 mg/l Marine water Chronic NOEC 1 mg/l Fresh water Chronic NOEC 3.2 mg/l Fresh water Chronic NOEC 0.8 mg/l Fresh water	Algae - <i>Skeletonema costatum</i> Crustaceans - <i>Artemia salina</i> - Adult Daphnia - <i>Daphnia pulex</i> - Neonate Fish - <i>Cirrhinus mrigala</i> - Larvae Algae - <i>Ulva fasciata</i> - Zoea Crustaceans - <i>Pseudosida ramosa</i> - Neonate Daphnia - <i>Daphnia magna</i> - Neonate Fish - <i>Gambusia holbrooki</i>	96 hours 48 hours 48 hours 96 hours 96 hours 21 days 21 days 28 days
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water Acute LC50 900 µg/l Marine water Acute LC50 1400 µg/l Fresh water Acute LC50 590 µg/l Fresh water Chronic NOEC 1.25 mg/l Marine water Chronic NOEC 1 mg/l Fresh water Chronic NOEC 3.2 mg/l Fresh water Chronic NOEC 0.8 mg/l Fresh water	Algae - <i>Skeletonema costatum</i> Crustaceans - <i>Artemia salina</i> - Adult Daphnia - <i>Daphnia pulex</i> - Neonate Fish - <i>Cirrhinus mrigala</i> - Larvae Algae - <i>Ulva fasciata</i> - Zoea Crustaceans - <i>Pseudosida ramosa</i> - Neonate Daphnia - <i>Daphnia magna</i> - Neonate Fish - <i>Gambusia holbrooki</i>	96 hours 48 hours 48 hours 96 hours 96 hours 21 days 21 days 28 days
SureSelect RNase Block Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours

Section 12. Ecological information

SureSelect Indexing Block 1 Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
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Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Klenow DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 DNA Ligase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 Polynucleotide Kinase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Exo(-) Klenow Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
SureSelect Hyb 4 Sodium dodecyl sulphate	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	95 % - Readily - 28 days	20 mg/l	-
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	95 % - Readily - 28 days	20 mg/l	-
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	95 % - Readily - 28 days	20 mg/l	-
SureSelect RNase Block				

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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
SureSelect Hyb 2 Edetic acid	-	-	Not readily
SureSelect Hyb 4 Sodium dodecyl sulphate	-	-	Readily
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	-	-	Readily
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Klenow DNA Polymerase Glycerol	-1.76	-	Low
T4 DNA Ligase Glycerol	-1.76	-	Low
T4 DNA Polymerase Glycerol	-1.76	-	Low
T4 Polynucleotide Kinase Glycerol	-1.76	-	Low
Exo(-) Klenow Glycerol	-1.76	-	Low
SureSelect Hyb 2 Edetic acid	-	1.8	Low
SureSelect Hyb 4 Sodium dodecyl sulphate	-2.03	-	Low
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	-2.03	-	Low
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	-2.03	-	Low
SureSelect RNase Block Glycerol	-1.76	-	Low

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SureSelect Indexing Block 1 Glycerol	-1.76	-	Low
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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 minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / IMDG / IATA : Not regulated.

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

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Canadian lists

Canadian NPRI : None of the components are listed.

CEPA Toxic substances : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 15. Regulatory information

Inventory list

- Canada** : Not determined.
United States : All components are active or exempted.

Section 16. Other information

History

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

Date of previous issue : 03/03/2021

Version : 6

Key to abbreviations

- : ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 HPR = Hazardous Products Regulations
 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
 UN = United Nations

Procedure used to derive the classification

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

Indicates information that has changed from previously issued version.

Notice to reader

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