SAFETY DATA SHEET



SureSelect XT HS Reagent Kit, index 1-16 + SSel Cancer All-In-One Lung Panel, 16rxn, Part Number G9704R

Section 1. Identification

Product identifier	: SureSelect XT HS Reagent Kit, index 1-16 + SSel Cancer All-In-One Lung Panel, 16rxn, Part Number G9704R
Part no. (chemical kit)	: G9704R
Part no.	: SureSelect XT HS Library Preparation Kit for 5500-0138
	ILM (Pre PCR), 16 Reactions
	End Repair-A Tailing Enzyme Mix 5190-6412
	End Repair-A Tailing Buffer 5190-6413
	T4 DNA Ligase 5190-6414
	Ligation Buffer 5190-6415
	Adaptor Oligo Mix 5190-6416
	Forward Primer 5190-6417
	<u>SureSelect XT HS Library Preparation Kit for</u> <u>5500-0138 / 5190-9684</u> ILM (Pre PCR), 16 Reactions / SureSelect XT
	HS Target Enrichment Kit, ILM Hyb Module,
	Box 2 (Post PCR), 16 Reactions
	100 mM dNTP Mix (25 mM each dNTP) 5190-6418
	Herculase II Fusion DNA Polymerase 5190-7742
	5X Herculase II Reaction Buffer 600675-52
	SureSelect XT HS Target Enrichment Kit, ILM 5190-9685
	<u>Hyb Module, Box 1 (Post PCR), 16 Reactions</u>
	SureSelect Binding Buffer 5190-4399
	SureSelect Wash Buffer 1 5190-4400
	SureSelect Wash Buffer 2 5190-4401
	<u>SureSelect XT HS Target Enrichment Kit, ILM</u> <u>5190-9684</u> Hyb Module, Box 2 (Post PCR), 16 Reactions
	SureSelect XT HS Blocker Mix 5190-9683
	SureSelect Fast Hybridization Buffer 5190-7327
	SureSelect RNase Block 5190-4383
	SureSelect Post- Capture Primer Mix 5190-9730
	SureSelect XT HS Index Primers 1-16 for ILM 5500-0141 (Pre PCR), 16 Reactions
	SureSelect XT HS Index Primer A01-H02 Various*
	SSel XT HS Cancer All-In-One Lung, 16 5191-4096
	Reactions
	SSel XT HS Cancer All-In-One Lung, 16 5191-4096 Reactions
Relevant identified uses of	the substance or mixture and uses advised against
Identified uses	: Analytical reagent. For research use only.
	End Repair-A Tailing Enzyme Mix 0.064 ml (16 reactions)
	End Repair-A Tailing Buffer 0.256 ml (16 reactions)
	T4 DNA Ligase 0.032 ml (16 reactions)
	Ligation Buffer 0.368 ml (16 reactions)
	Adaptor Oligo Mix 0.08 ml (16 reactions)
	Forward Primer 0.032 ml (16 reactions)
	100 mM dNTP Mix (25 mM each dNTP) 0.009 ml (16 reactions)
	Herculase II Fusion DNA Polymerase 0.016 ml (32 reactions)
	5X Herculase II Reaction Buffer 1.5 ml
	SureSelect Binding Buffer 13.2 ml
	SureSelect Wash Buffer 1 8 ml
	SureSelect Wash Buffer 2 24 ml
	SureSelect XT HS and XT Low Input Blocker 0.08 ml (16 reactions)
Date of issue/Date of revision	: 04/30/2024 Date of previous issue : 05/20/2021 Version : 4 1/

Section 1. Identification

	MixSureSelect Fast Hybridization Buffer0.45 mlSureSelect RNase Block0.016 mlSureSelect Post- Capture Primer Mix0.016 ml (16 reactions)SureSelect XT HS Index Primer A01-H0216 x 0.01 ml (16 reactions)SSel XT HS Cancer All-In-One Lung, 160.032 ml (16 reactions)Reactions0.032 ml (16 reactions)
Uses advised against	: Not for use in diagnostic procedures.
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
Note *	 *SureSelect XT HS Index Primer A01-H02: 5190-6419, 5190-6420, 5190-6421, 5190-6422, 5190-6423, 5190-6424, 5190-6425, 5190-6426, 5190-6427, 5190-6428, 5190-6429, 5190-6430, 5190-6431, 5190-6432, 5190-6433, 5190-6434

Section 2. Hazard identification

Classification of the substand	<u>e or mixture</u>	
End Repair-A Tailing Enzyme Mix H320	EYE IRRITATION - Category 2E	3
T4 DNA Ligase H320	EYE IRRITATION - Category 2E	3
Ligation Buffer H320	EYE IRRITATION - Category 2E	3
Herculase II Fusion DNA Polymerase H320	EYE IRRITATION - Category 2E	3
SureSelect RNase Block H320	EYE IRRITATION - Category 2E	3
GHS label elements		
Signal word	: End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1	Warning No signal word. Warning No signal word. No signal word. No signal word. Warning No signal word. No signal word. No signal word. No signal word.

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SureSelect Wash Buffer 2 No signal word. SureSelect Fast No signal word. Hybridization Buffer SureSelect Ratse Block SureSelect Ratse Block Warning SureSelect Ratse Block Warning Primer AD1-H02 SSet XT HS Cancer All-In- One Lung, 16 Reactions No signal word. Hazard statements End Repair-A Tailing Buffer T4 DNA Ligase No signal word. Ligation Buffer SureSelect XT HS Cancer All-In- One Lung, 16 Reactions No signal word. Hazard statements End Repair-A Tailing Buffer T4 DNA Ligase No known significant effects or critical hazards. Ind MATP Mix (25 mM No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. SureSelect Binding Buffer SureSelect Mash Buffer 2 No known significant effects or critical hazards. NursSelect AT H5 and XL No known significant effects or critical hazards. SureSelect Ratse Buffer 2 No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. NureSelect Tat H3	Section 2. Hazaru	10	ientification	
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	Hybridization Buffer SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A01-H02	Not applicable.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not applicable.
Response :	End Repair-A Tailing Enzyme Mix	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.
	End Repair-A Tailing Buffer T4 DNA Ligase	Not applicable. 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
	Ligation Buffer	advice or attention. 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.
	Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP)	Not applicable. Not applicable. Not applicable.
	Herculase II Fusion 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.
	5X Herculase II Reaction Buffer	Not applicable.
	SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix	Not applicable. Not applicable. Not applicable. Not applicable.
	SureSelect Fast Hybridization Buffer	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 Post- Capture Primer Mix	Not applicable.
	SureSelect XT HS Index Primer A01-H02	Not applicable.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not applicable.

Storage	: End Repair-A Tailing Enzyme Mix	Not applicable.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM	Not applicable.
	each dNTP)	
	Herculase II Fusion DNA	Not applicable.
	Polymerase	
	5X Herculase II Reaction	Not applicable.
	Buffer	
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT	Not applicable.
	Low Input Blocker Mix	
	SureSelect Fast	Not applicable.
	Hybridization Buffer	
	SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture	Not applicable.
	Primer Mix	
	SureSelect XT HS Index	Not applicable.
	Primer A01-H02	.
	SSel XT HS Cancer All-In-	Not applicable.
	One Lung, 16 Reactions	
Disposal	: End Repair-A Tailing Enzyme Mix	Not applicable.
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM each dNTP)	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	5X Herculase II Reaction Buffer	Not applicable.
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT	Not applicable.
	Low Input Blocker Mix	
	SureSelect Fast	Not applicable.
	Hybridization Buffer	
	SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture	Not applicable.
	Primer Mix	
	SureSelect XT HS Index	Not applicable.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	Not applicable.
	One Lung, 16 Reactions	

	: End Repair-A Tailing	None known.
elements	Enzyme Mix End Repair-A Tailing Buffer	None known.
	T4 DNA Ligase	None known.
	Ligation Buffer	None known.
	Adaptor Oligo Mix	None known.
	Forward Primer	None known.
	100 mM dNTP Mix (25 mM each dNTP)	None known.
	Herculase II Fusion DNA Polymerase	None known.
	5X Herculase II Reaction Buffer	None known.
	SureSelect Binding Buffer	None known.
	SureSelect Wash Buffer 1	None known.
	SureSelect Wash Buffer 2	None known.
	SureSelect XT HS and XT Low Input Blocker Mix	None known.
	SureSelect Fast Hybridization Buffer	None known.
	SureSelect RNase Block	None known.
	SureSelect Post- Capture Primer Mix	None known.
	SureSelect XT HS Index Primer A01-H02	None known.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	None known.
	100 mM dNTP Mix (25 mM each dNTP)	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.3%
	SureSelect Fast Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 31.3%
Other hazards which do not result in classification	: End Repair-A Tailing Enzyme Mix	None known.
	End Repair-A Tailing Buffer	None known.
	T4 DNA Ligase	None known.
	Ligation Buffer	None known.
	Adaptor Oligo Mix	None known.
	Forward Primer	None known.
	100 mM dNTP Mix (25 mM each dNTP)	None known.
	Herculase II Fusion DNA Polymerase	None known.
	5X Herculase II Reaction Buffer	None known.
	SureSelect Binding Buffer	None known.
	SureSelect Wash Buffer 1	None known.
	SureSelect Wash Buffer 2	None known.
	SureSelect XT HS and XT Low Input Blocker Mix	None known.
	SureSelect Fast Hybridization Buffer	None known.
	SureSelect RNase Block	None known.
	SureSelect Post- Capture Primer Mix	None known.
	SureSelect XT HS Index Primer A01-H02	None known.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: End Repair-A Tailing Enzyme Mix	Mixture
	End Repair-A Tailing Buffer	Mixture
	T4 DNA Ligase	Mixture
	Ligation Buffer	Mixture
	Adaptor Oligo Mix	Mixture
	Forward Primer	Mixture
	100 mM dNTP Mix (25 mM each dNTP)	Mixture
	Herculase II Fusion DNA Polymerase	Mixture
	5X Herculase II Reaction Buffer	Mixture
	SureSelect Binding Buffer	Mixture
	SureSelect Wash Buffer 1	Mixture
	SureSelect Wash Buffer 2	Mixture
	SureSelect XT HS and XT Low Input Blocker Mix	Mixture
	SureSelect Fast Hybridization Buffer	Mixture
	SureSelect RNase Block	Mixture
	SureSelect Post- Capture Primer Mix	Mixture
	SureSelect XT HS Index Primer A01-H02	Mixture
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Mixture

Ingredient name	Synonyms	% (w/w)	CAS number
End Repair-A Tailing Enzyme Mix			
Glycerol	Glycerol	≥30 - ≤60	56-81-5
End Repair-A Tailing Buffer			
Potassium chloride	Potassium Chloride	≥1 - ≤5	7447-40-7
T4 DNA Ligase			
Glycerol	Glycerol	≥30 - ≤60	56-81-5
Ligation Buffer			
Glycerol	Glycerol	≥10 - ≤30	56-81-5
Herculase II Fusion DNA Polymerase			
Glycerol	Glycerol	≥30 - ≤60	56-81-5
5X Herculase II Reaction Buffer			
Trometamol	Tris	≥1 - ≤5	77-86-1
Hexadecan-1-ol, ethoxylated	Hexadecan-1-ol, ethoxylated	≥1 - ≤5	9004-95-9
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Section 3. Composition/information on ingredients

Section 5. Composition/mormation on ingredients			
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
SSel XT HS Cancer All-In-One Lung, 16 Reactions			
Glycerol	Glycerol	≥1 - ≤5	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 necessa		
Eye contact	: End Repair-A Tailing Enzyme Mix	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.
	End Repair-A Tailing 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.
	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.
	Ligation Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	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.
	Forward 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.
	100 mM dNTP Mix (25 mM each dNTP)	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

	Herculase II Fusion DNA Polymerase	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
	Toymerase	Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.
	5X Herculase II Reaction Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Binding Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Wash Buffer 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect Wash Buffer 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect XT HS and XT Low Input Blocker 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 Fast Hybridization Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SureSelect 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 Post- Capture Primer 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 XT HS Index Primer A01-H02	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	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.
:	End Repair-A Tailing Enzyme Mix	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.
	End Repair-A Tailing Buffer	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
T4 DNA Ligase	under medical surveillance for 48 hours. 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
Ligation Buffer	as a collar, tie, belt or waistband. 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.
Adaptor Oligo Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Forward Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
100 mM dNTP Mix (25 mM each dNTP)	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.
Herculase II Fusion DNA Polymerase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
5X Herculase II Reaction 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
SureSelect Binding Buffer	under medical surveillance for 48 hours. 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
	SureSelect Wash Buffer 2	attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect XT HS and XT Low Input Blocker Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect Fast Hybridization 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.
	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 Post- Capture Primer Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect XT HS Index Primer A01-H02	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact :	End Repair-A Tailing Enzyme Mix	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.
	End Repair-A Tailing Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	T4 DNA Ligase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing
	Ligation Buffer	before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing
	Adaptor Oligo Mix	before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Forward Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	100 mM dNTP Mix (25 mM each dNTP)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Herculase II Fusion DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
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		medical attention if symptoms occur. Wash clothing
	5X Herculase II Reaction	before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water.
	Buffer	Remove contaminated clothing and shoes. Get
	Ballel	medical attention if symptoms occur.
	SureSelect Binding Buffer	Flush contaminated skin with plenty of water.
	Carocoloct Binaing Banor	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 XT HS and XT	Flush contaminated skin with plenty of water.
	Low Input Blocker Mix	Remove contaminated clothing and shoes. Get
		medical attention if symptoms occur.
	SureSelect Fast	Flush contaminated skin with plenty of water.
	Hybridization Buffer	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 Post- Capture	Flush contaminated skin with plenty of water.
	Primer Mix	Remove contaminated clothing and shoes. Get
		medical attention if symptoms occur.
	SureSelect XT HS Index	Flush contaminated skin with plenty of water.
	Primer A01-H02	Remove contaminated clothing and shoes. Get
		medical attention if symptoms occur.
	SSel XT HS Cancer All-In-	Flush contaminated skin with plenty of water.
	One Lung, 16 Reactions	Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: End Repair-A Tailing	Wash out mouth with water. Remove dentures if any.
	Enzyme Mix	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.
	End Repair-A Tailing 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.
	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

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	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.
Ligation Buffer	Wash out mouth with water. Remove dentures if any.
Ligation buile	
	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.
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
E 18:	personnel. Get medical attention if symptoms occur.
Forward 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.
100 mM dNTP Mix (25 mM	Wash out mouth with water. If material has been
each dNTP)	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.
Herculase II Fusion DNA	Wash out mouth with water. Remove dentures if any.
Polymerase	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.
5X Herculase II Reaction	Wash out mouth with water. If material has been
Buffer	swallowed and the exposed person is conscious, give
	small quantities of water to drink. Do not induce
	vomiting unless directed to do so by medical
	personnel. Get medical attention if symptoms occur.
SureSelect Binding Buffer	Wash out mouth with water. If material has been
5	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
	wash out mouth with water. In matchal has been

	SureSelect Wash Buffer 2	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 HS and XT Low Input Blocker Mix	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 Fast Hybridization Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureSelect 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 Post- Capture Primer 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 XT HS Index Primer A01-H02	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	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.
Most important symptoms/effe		
	End Repair-A Tailing	Causes eye irritation.
Lyo contact	Enzyme Mix	
	End Repair-A Tailing Buffer T4 DNA Ligase	No known significant effects or critical hazards. Causes eye irritation.
	Ligation Buffer	Causes eye irritation.
	Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

	modearoo		
	each dNTP) Herculase II Fusion DNA	Causes eye irritation.	
	Polymerase		
	5X Herculase II Reaction Buffer	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 XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
	SureSelect RNase Block	Causes eye irritation.	
	SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.	
	SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No known significant effects or critical hazards.	
Inhalation	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.	
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.	
	T4 DNA Ligase	No known significant effects or critical hazards.	
	Ligation Buffer	No known significant effects or critical hazards.	
	Adaptor Oligo Mix	No known significant effects or critical hazards.	
	Forward Primer	No known significant effects or critical hazards.	
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
	5X Herculase II Reaction Buffer	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 XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.	
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.	
	SureSelect RNase Block SureSelect Post- Capture	No known significant effects or critical hazards. No known significant effects or critical hazards.	
	Primer Mix SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No known significant effects or critical hazards.	
Skin contact	: End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.	
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.	
	T4 DNA Ligase	No known significant effects or critical hazards.	
	Ligation Buffer	No known significant effects or critical hazards.	
	Adaptor Oligo Mix	No known significant effects or critical hazards.	
	Forward Primer	No known significant effects or critical hazards.	
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.	
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.	
	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.	
	SureSelect Binding Buffer	No known significant effects or critical hazards.	
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Section 4. First-alu	illeasules	
	SureSelect Wash Buffer 1	No known significant effects or critical hazards.
	SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS and XT	No known significant effects or critical hazards.
	Low Input Blocker Mix	
	SureSelect Fast	No known significant effects or critical hazards.
	Hybridization Buffer	
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post- Capture	No known significant effects or critical hazards.
	Primer Mix	No luo sum significant offerste en exitiant la secola
	SureSelect XT HS Index	No known significant effects or critical hazards.
	Primer A01-H02 SSel XT HS Cancer All-In-	No known significant offects or critical bazarda
	One Lung, 16 Reactions	No known significant effects or critical hazards.
	•	
Ingestion :	End Repair-A Tailing	No known significant effects or critical hazards.
	Enzyme Mix	
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer Adaptor Oligo Mix	No known significant effects or critical hazards. No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
	each dNTP)	No known significant chects of childar hazards.
	Herculase II Fusion DNA	No known significant effects or critical hazards.
	Polymerase	
	5X Herculase II Reaction	No known significant effects or critical hazards.
	Buffer	5
	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 XT HS and XT	No known significant effects or critical hazards.
	Low Input Blocker Mix	
	SureSelect Fast	No known significant effects or critical hazards.
	Hybridization Buffer	
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post- Capture	No known significant effects or critical hazards.
	Primer Mix	
	SureSelect XT HS Index	No known significant effects or critical hazards.
	Primer A01-H02 SSel XT HS Cancer All-In-	No known significant effects or critical hazards.
	One Lung, 16 Reactions	No known significant effects of childar hazards.
	•	
Over-exposure signs/symptor		
Eye contact :	End Repair-A Tailing	Adverse symptoms may include the following:
	Enzyme Mix	
		irritation
		watering
	End Popoir A Tailing Puffor	redness
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	Adverse symptoms may include the following: irritation
		watering
		redness
	Ligation Buffer	Adverse symptoms may include the following:
	Ligation Daniel	irritation
		watering
		redness
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM	No specific data.
	each dNTP)	
	Herculase II Fusion DNA	Adverse symptoms may include the following:
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	medealoe	
	Polymerase	
		irritation
		watering
		redness
	5X Herculase II Reaction Buffer	No specific data.
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect XT HS and XT	No specific data.
	Low Input Blocker Mix	•
	SureSelect Fast	No specific data.
	Hybridization Buffer	•
	SureSelect RNase Block	Adverse symptoms may include the following:
		irritation
		watering
		redness
	SureSelect Post- Capture	No specific data.
	Primer Mix	·
	SureSelect XT HS Index	No specific data.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	No specific data.
	One Lung, 16 Reactions	
Inhalation	End Repair-A Tailing	No specific data.
	Enzyme Mix	1
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM	No specific data.
	each dNTP)	•
	Herculase II Fusion DNA	No specific data.
	Polymerase	
	5X Herculase II Reaction	No specific data.
	Buffer	
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect XT HS and XT	No specific data.
	Low Input Blocker Mix	
	SureSelect Fast	No specific data.
	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture	No specific data.
	Primer Mix	NL
	SureSelect XT HS Index	No specific data.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	No specific data.
	One Lung, 16 Reactions	
Skin contact	End Repair-A Tailing	No specific data.
	Enzyme Mix	NL
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM	No specific data.
	each dNTP) Herculase II Fusion DNA	No specific data.
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	Polymerase 5X Herculase II Reaction	No specific data.
	Buffer	No specific data.
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect XT HS and XT	No specific data.
	Low Input Blocker Mix	
	SureSelect Fast	No specific data.
	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture Primer Mix	No specific data.
	SureSelect XT HS Index Primer A01-H02	No specific data.
	SSel XT HS Cancer All-In-	No specific data.
	One Lung, 16 Reactions	
Ingestion	: End Repair-A Tailing Enzyme Mix	No specific data.
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM each dNTP)	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	5X Herculase II Reaction	No specific data.
	Buffer	Nia ana aifi a shafa
	SureSelect Binding Buffer SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data. No specific data.
	SureSelect XT HS and XT	No specific data.
	Low Input Blocker Mix	No specific data.
	SureSelect Fast	No specific data.
	Hybridization Buffer	no opeenie data.
	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture Primer Mix	No specific data.
	SureSelect XT HS Index Primer A01-H02	No specific data.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No specific data.

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

Notes to physician	: End Repair-A Tailing Enzyme Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	End Repair-A Tailing 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.
	T4 DNA Ligase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Ligation Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

	Adaptor Oligo Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Forward Primer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been
	100 mM dNTP Mix (25 mM	ingested or inhaled. In case of inhalation of decomposition products in a
	each dNTP)	fire, symptoms may be delayed. The exposed person may need to be kept under medical
		surveillance for 48 hours.
	Herculase II Fusion DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	5X Herculase II Reaction	In case of inhalation of decomposition products in a
	Buffer	fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	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 XT HS and XT Low Input Blocker Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Fast	In case of inhalation of decomposition products in a
	Hybridization Buffer	fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Post- Capture Primer Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect XT HS Index Primer A01-H02	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	End Repair-A Tailing Enzyme Mix	No specific treatment.
	End Repair-A Tailing Buffer	No specific treatment.
	T4 DNA Ligase	No specific treatment.
	Ligation Buffer	No specific treatment.
	Adaptor Oligo Mix	No specific treatment.
	Forward Primer	No specific treatment.
	100 mM dNTP Mix (25 mM each dNTP)	No specific treatment.
	Herculase II Fusion DNA Polymerase	No specific treatment.
	5X Herculase II Reaction Buffer	No specific treatment.
	SureSelect Binding Buffer SureSelect Wash Buffer 1	No specific treatment. No specific treatment.

Section 4. First-alu	illeasules	
	SureSelect Wash Buffer 2	No specific treatment.
	SureSelect XT HS and XT Low Input Blocker Mix	No specific treatment.
	SureSelect Fast Hybridization Buffer	No specific treatment.
	SureSelect RNase Block	No specific treatment.
	SureSelect Post- Capture Primer Mix	No specific treatment.
	SureSelect XT HS Index Primer A01-H02	No specific treatment.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No specific treatment.
Protection of first-aiders :	End Repair-A Tailing Enzyme Mix	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
	End Repair-A Tailing Buffer	resuscitation. No action shall be taken involving any personal risk or without quitable training
	T4 DNA Ligase	or without suitable training. 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
	Ligation Buffer	resuscitation. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to
	Adaptor Oligo Mix	the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk
	Forward Primer	or without suitable training. No action shall be taken involving any personal risk
	100 mM dNTP Mix (25 mM	or without suitable training. No action shall be taken involving any personal risk
	each dNTP) Herculase II Fusion DNA	or without suitable training. No action shall be taken involving any personal risk
	Polymerase	or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	5X Herculase II Reaction	No action shall be taken involving any personal risk
	Buffer	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 XT HS and XT	No action shall be taken involving any personal risk
	Low Input Blocker Mix	or without suitable training.
	SureSelect Fast	No action shall be taken involving any personal risk
	Hybridization Buffer	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 Post- Capture	No action shall be taken involving any personal risk
	Primer Mix	or without suitable training.
	SureSelect XT HS Index Primer A01-H02	No action shall be taken involving any personal risk or without suitable training.
	SSel XT HS Cancer All-In-	No action shall be taken involving any personal risk
	One Lung, 16 Reactions	or without suitable training.

See toxicological information (Section 11)

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<u>Extinguishing media</u>			
Suitable extinguishing media	:	End Repair-A Tailing Enzyme Mix	Use an extinguishing agent suitable for the surrounding fire.
		End Repair-A Tailing Buffer	Use an extinguishing agent suitable for the surrounding fire.
		T4 DNA Ligase	Use an extinguishing agent suitable for the surrounding fire.
		Ligation Buffer	Use an extinguishing agent suitable for the surrounding fire.
		Adaptor Oligo Mix	Use an extinguishing agent suitable for the surrounding fire.
		Forward Primer	Use an extinguishing agent suitable for the surrounding fire.
		100 mM dNTP Mix (25 mM each dNTP)	Use an extinguishing agent suitable for the surrounding fire.
		Herculase II Fusion DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
		5X Herculase II Reaction Buffer	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 XT HS and XT Low Input Blocker Mix	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect Fast Hybridization Buffer	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect Post- Capture Primer Mix	Use an extinguishing agent suitable for the surrounding fire.
		SureSelect XT HS Index Primer A01-H02	Use an extinguishing agent suitable for the
		SSel XT HS Cancer All-In- One Lung, 16 Reactions	surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing	:	End Repair-A Tailing Enzyme Mix	None known.
media		End Repair-A Tailing Buffer	None known.
		T4 DNA Ligase	None known.
		Ligation Buffer	None known.
		Adaptor Oligo Mix	None known.
		Forward Primer	None known.
		100 mM dNTP Mix (25 mM each dNTP)	None known.
		Herculase II Fusion DNA Polymerase	None known.
		5X Herculase II Reaction Buffer	None known.
		SureSelect Binding Buffer	None known.
		SureSelect Wash Buffer 1	None known.
		SureSelect Wash Buffer 2	None known.
		SureSelect XT HS and XT Low Input Blocker Mix	None known.
		SureSelect Fast Hybridization Buffer	None known.
		SureSelect RNase Block	None known.
		SureSelect Post- Capture	None known.

Section 5. File-ing	Intiling measures	
	Primer Mix SureSelect XT HS Index Primer A01-H02	None known.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	None known.
Specific hazards arising from the chemical	: End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer	In a fire or if heated, a pressure increase will occur and the container may burst. 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.
	Ligation Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	Adaptor Oligo Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Forward Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
	100 mM dNTP Mix (25 mM each dNTP)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Herculase II Fusion DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst.
	5X Herculase II Reaction Buffer	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 XT HS and XT Low Input Blocker Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect Fast Hybridization Buffer	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 Post- Capture Primer Mix SureSelect XT HS Index Primer A01-H02	In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: End Repair-A Tailing Enzyme Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	End Repair-A Tailing Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
	T4 DNA Ligase	halogenated compounds metal oxide/oxides Decomposition products may include the following materials: carbon dioxide
	Ligation Buffer	carbon monoxide Decomposition products may include the following materials:
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		carbon dioxide
		carbon monoxide
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
		Decomposition products may include the following
	100 mM dNTP Mix (25 mM	
	each dNTP)	materials:
		carbon dioxide
		carbon monoxide
		nitrogen oxides
		phosphorus oxides
	Herculase II Fusion DNA	Decomposition products may include the following
	Polymerase	materials:
		carbon dioxide
		carbon monoxide
	5X Herculase II Reaction	Decomposition products may include the following
	Buffer	materials:
		carbon dioxide
		carbon monoxide
		nitrogen oxides
		sulfur oxides
		metal oxide/oxides
	SureSelect Binding Buffer	Decomposition products may include the following materials:
		halogenated compounds metal oxide/oxides
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect XT HS and XT	No specific data.
		No specific data.
	Low Input Blocker Mix	
	SureSelect Fast	Decomposition products may include the following
	Hybridization Buffer	materials:
		carbon dioxide
		carbon monoxide
		nitrogen oxides
		halogenated compounds
		metal oxide/oxides
	Sume Cale at DNaga Dlask	
	SureSelect RNase Block	Decomposition products may include the following
		materials:
		carbon dioxide
		carbon monoxide
	SureSelect Post- Capture	No specific data.
	Primer Mix	
	SureSelect XT HS Index	No oposifio data
		No specific data.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	Decomposition products may include the following
	One Lung, 16 Reactions	materials:
		carbon dioxide
		carbon monoxide
Special protective actions	: End Repair-A Tailing	Promptly isolate the scene by removing all persons
for fire-fighters	Enzyme Mix	from the vicinity of the incident if there is a fire. No
-	-	action shall be taken involving any personal risk or
		without suitable training.
	End Repair-A Tailing 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.
	T4 DNA Ligase	Promptly isolate the scene by removing all persons
		from the vicinity of the incident if there is a fire. No
		-
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	action shall be taken involving any personal risk or
	without suitable training.
Ligation Buffer	Promptly isolate the scene by removing all persons
Ligation Dune	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.
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.
Forward 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.
100 mM dNTP Mix (25 mM	Promptly isolate the scene by removing all persons
each dNTP)	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.
Herculase II Fusion DNA	Promptly isolate the scene by removing all persons
Polymerase	from the vicinity of the incident if there is a fire. No
1 olymoraeo	action shall be taken involving any personal risk or
	without suitable training.
5X Herculase II Reaction	Promptly isolate the scene by removing all persons
Buffer	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 XT HS and XT	Promptly isolate the scene by removing all persons
Low Input Blocker Mix	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 Fast	Promptly isolate the scene by removing all persons
Hybridization Buffer	from the vicinity of the incident if there is a fire. No
Typhulzation Buller	
	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 Post- Capture	Promptly isolate the scene by removing all persons
Primer Mix	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 HS Index	
	Promptly isolate the scene by removing all persons
Primer A01-H02	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.
SSel XT HS Cancer All-In-	Promptly isolate the scene by removing all persons
One Lung, 16 Reactions	from the vicinity of the incident if there is a fire. No
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		action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: End Repair-A Tailing Enzyme Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	End Repair-A Tailing Buffer	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
	Ligation Buffer	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Adaptor Oligo Mix	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Forward Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	100 mM dNTP Mix (25 mM each dNTP)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Herculase II Fusion 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.
	5X Herculase II Reaction 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 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
	SureSelect Wash Buffer 2	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	SureSelect XT HS and XT Low Input Blocker 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 Fast Hybridization 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 RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus
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	(SCBA) with a full face-piece operated in positive pressure mode.
SureSelect Post- Capture Primer 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 XT HS Index Primer A01-H02	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SSel XT HS Cancer All-In- One Lung, 16 Reactions	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	: End Repair-A Tailing	No action shall be taken involving any personal risk
personnel	Enzyme Mix	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.
	End Repair-A Tailing 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.
	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.
	Ligation Buffer	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
	Adaptor Oligo Mix	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.
	Forward 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.

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100 mM dNTP Mix (25 mM each dNTP)	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
Herculase II Fusion DNA Polymerase	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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
5X Herculase II Reaction Buffer	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
SureSelect Binding Buffer	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
SureSelect Wash Buffer 1	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
SureSelect Wash Buffer 2	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
SureSelect XT HS and XT Low Input Blocker Mix	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 Fast Hybridization Buffer	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 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 Post- Capture Primer 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.
	SureSelect XT HS Index Primer A01-H02	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	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.
For emergency responders :	End Repair-A Tailing Enzyme 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
	End Repair-A Tailing Buffer	information in "For non-emergency personnel". 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
	T4 DNA Ligase	information in "For non-emergency personnel". 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
	Ligation Buffer	information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on
	Adaptor Oligo Mix	suitable and unsuitable materials. See also the information in "For non-emergency personnel". 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
	Forward Primer	information in "For non-emergency personnel". 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
	100 mM dNTP Mix (25 mM each dNTP)	information in "For non-emergency personnel". 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".
	Herculase II Fusion 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
	5X Herculase II Reaction Buffer	information in "For non-emergency personnel". 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
	SureSelect Binding Buffer	information in "For non-emergency personnel". 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
	SureSelect Wash Buffer 1	information in "For non-emergency personnel". 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
	SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture Primer Mix SureSelect XT HS Index Primer A01-H02 SSel XT HS Cancer All-In-	suitable and unsuitable materials. See also the information in "For non-emergency personnel". 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". 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". 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". 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". 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". 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". 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". 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". If specialized clothing is required to deal with the
	One Lung, 16 Reactions	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	: End Repair-A Tailing Enzyme 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).
	End Repair-A Tailing 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).
	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).
	Ligation 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).
	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).
	Forward 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).
	100 mM dNTP Mix (25 mM	Avoid dispersal of spilled material and runoff and
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each dNTP)	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways,
Herculase II Fusion DNA	soil or air). Avoid dispersal of spilled material and runoff and
Polymerase	contact with soil, waterways, drains and sewers.
1 olymeruse	Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways,
	soil or air).
5X Herculase II Reaction	Avoid dispersal of spilled material and runoff and
Buffer	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
5	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways,
SureSelect Wash Buffer 1	soil or air).
SureSelect Wash Buller 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 XT HS and XT	Avoid dispersal of spilled material and runoff and
Low Input Blocker Mix	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways,
SureSelect Fast	soil or air). Avoid dispersal of spilled material and runoff and
Hybridization Buffer	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).
SureSelect Post- Capture	Avoid dispersal of spilled material and runoff and
Primer Mix	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 HS Index	Avoid dispersal of spilled material and runoff and
Primer A01-H02	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways,
SSel XT HS Cancer All-In-	soil or air). Avoid dispersal of spilled material and rupoff and
One Lung, 16 Reactions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
one cang, to reactions	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	: End Repair-A Tailing Enzyme 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.	
	End Repair-A Tailing 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.	
	T4 DNA Ligase	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.	
	Ligation 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.	
	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.	
	Forward 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.	
	100 mM dNTP Mix (25 mM each dNTP)	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.	
	Herculase II Fusion 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.	
	5X Herculase II Reaction 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 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	

SureSelect Wash Buffer 1	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 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 XT HS and XT	Stop leak if without risk. Move containers from spill
Low Input Blocker Mix	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 Fast	Stop leak if without risk. Move containers from spill
Hybridization Buffer	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 Post- Capture Primer 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
SureSelect XT HS Index	disposal contractor. Stop leak if without risk. Move containers from spill
Primer A01-H02	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.
SSel XT HS Cancer All-In-	Stop leak if without risk. Move containers from spill
One Lung, 16 Reactions	area. Dilute with water and mop up if water-soluble.
	Alternatively, or if water-insoluble, absorb with an
	inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste
	disposal contractor.
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Section 7. Handling and storage

Precautions for safe handling

Protective measures

: End Repair-A Tailing Enzyme Mix 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.
End Repair-A Tailing Buffer	Put on appropriate personal protective equipment (see Section 8).
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
Ligation Buffer	reuse container. 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
Adaptor Oligo Mix	reuse container. Put on appropriate personal protective equipment
	(see Section 8).
Forward Primer	Put on appropriate personal protective equipment
	(see Section 8).
100 mM dNTP Mix (25 mM	Put on appropriate personal protective equipment
each dNTP) Herculase II Fusion DNA	(see Section 8).
Polymerase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with
i olymorado	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.
5X Herculase II Reaction	Put on appropriate personal protective equipment
Buffer	(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
SureSelect Wash Buffer 2	(see Section 8). Put on appropriate personal protective equipment
Surceciect Wash Buller 2	(see Section 8).
SureSelect XT HS and XT	Put on appropriate personal protective equipment
Low Input Blocker Mix	(see Section 8).
SureSelect Fast	Put on appropriate personal protective equipment
Hybridization Buffer SureSelect RNase Block	(see Section 8). Put on appropriate personal protective equipment
SureSelect Rhase block	(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 Post- Capture	Put on appropriate personal protective equipment
Primer Mix	(see Section 8).
SureSelect XT HS Index	Put on appropriate personal protective equipment
Primer A01-H02	(see Section 8).
SSel XT HS Cancer All-In-	Put on appropriate personal protective equipment
One Lung, 16 Reactions	(see Section 8).

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Advice on general : occupational hygiene	End Repair-A Tailing Enzyme 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.
	End Repair-A Tailing 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
	T4 DNA Ligase	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
	Ligation Buffer	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
	Adaptor Oligo Mix	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
	Forward Primer	before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for
	100 mM dNTP Mix (25 mM each dNTP)	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
	Herculase II Fusion DNA Polymerase	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
	5X Herculase II Reaction Buffer	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

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	SureSelect Binding Buffer	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
	SureSelect Wash Buffer 1	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 Wash Buffer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SureSelect XT HS and XT Low Input Blocker 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 Fast Hybridization 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 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 Post- Capture Primer 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 XT HS Index Primer A01-H02	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SSel XT HS Cancer All-In-	Eating, drinking and smoking should be prohibited in

eccuon r. nananig	One Lung, 16 Reactions	areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, : including any incompatibilities	End Repair-A Tailing Enzyme Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	End Repair-A Tailing 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.
	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
	Ligation Buffer	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
	Adaptor Oligo Mix	incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid

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Forward Primer	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
100 mM dNTP Mix (25 mM each dNTP)	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.
Herculase II Fusion 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.
5X Herculase II Reaction 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
SureSelect Binding Buffer	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 Wash Buffer 1	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

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

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	containers. Use appropriate containment to avoid
	environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect XT HS Index	Store in accordance with local regulations. Store in
Primer A01-H02	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.
SSel XT HS Cancer All-In-	Store in accordance with local regulations. Store in
One Lung, 16 Reactions	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

Ingredient name		Exposure limits
End Repair-A Tailing Enzyme	e Mix	
Glycerol		CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist
T4 DNA Ligase Glycerol		CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023).
Date of issue/Date of revision	: 04/30/2024 Date of previous issue	: 05/20/2021 Version : 4 39/72

Section 8. Exposure controls/personal protection

	TWA: 3 mg/m ³ 8 hours. Form: respirable mist
Linetian Duffer	TWA: 10 mg/m ³ 8 hours. Form: total mist
Ligation Buffer Glycerol	CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist
Herculase II Fusion DNA Polymerase	
Glycerol	CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist
SureSelect RNase Block	
Glycerol	CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 6/2023). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist
SSel XT HS Cancer All-In-One Lung, 16 Reactions Glycerol	CA Alberta Provincial (Canada, 6/2018). OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 6/2022). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada, 7/2013). STEL: 20 mg/m ³ 15 minutes. Form: mist TWA: 10 mg/m ³ 8 hours. Form: mist
Date of issue/Date of revision : 04/30/2024 Date of previous issue	:05/20/2021 Version :4 40/72

Section 8. Exposure controls/personal protection

CA British Columbia Provincial (Canada,
6/2023).
TWA: 3 mg/m ³ 8 hours. Form: respirable
mist
TWA: 10 mg/m ³ 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.
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 measu	res
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	: End Repair-A Tailing Enzyme Mix	Liquid.
	End Repair-A Tailing Buffer	Liquid.
	T4 DNA Ligase	Liquid.
	Ligation Buffer	Liquid.
	Adaptor Oligo Mix	Liquid.
	Forward Primer	Liquid.
	100 mM dNTP Mix (25 mM	Liquid.
	each dNTP)	Elquid.
	Herculase II Fusion DNA	Liquid.
	Polymerase	
	5X Herculase II Reaction	Liquid.
	Buffer	
	SureSelect Binding Buffer	Liquid.
	SureSelect Wash Buffer 1	Liquid.
	SureSelect Wash Buffer 2	Liquid.
	SureSelect XT HS and XT	Liquid.
	Low Input Blocker Mix	
	SureSelect Fast	Liquid.
	Hybridization Buffer	
	SureSelect RNase Block	Liquid.
	SureSelect Post- Capture	Liquid.
	Primer Mix	
	SureSelect XT HS Index	Liquid.
	Primer A01-H02	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Liquid.
Color	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM	Not available.
	each dNTP)	
	Herculase II Fusion DNA	Not available.
	Polymerase	Nieć zwalista
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT	Not available.
	Low Input Blocker Mix	Not available.
	SureSelect Fast	Not available.
	Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture	Not available.
	Primer Mix	N. (11)
	SureSelect XT HS Index	Not available.
	Primer A01-H02	Not available
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not available.
	one Lung, to Reactions	

enaraeteristics		
Odor	: End Repair-A Tailing Enzyme Mix	Not available.
		Natavailable
	End Repair-A Tailing Buffer	Not available. Not available.
	T4 DNA Ligase	
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT Low Input Blocker Mix	Not available.
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture Primer Mix	Not available.
	SureSelect XT HS Index Primer A01-H02	Not available.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not available.
Odor threshold	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Not available.
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA	Not available.
	Polymerase 5X Herculase II Reaction	Not available.
	Buffer	
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT Low Input Blocker Mix	Not available.
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture	Not available.
	Primer Mix	
	SureSelect XT HS Index Primer A01-H02	Not available.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not available.
рН	:	



	End Repair-A Tailing	6.5
	Enzyme Mix	
	End Repair-A Tailing Buffer	8
	T4 DNA Ligase	7.5
	Ligation Buffer	8
	Adaptor Oligo Mix	7.5
	Forward Primer	7.5
	100 mM dNTP Mix (25 mM	7.5
	each dNTP)	
	Herculase II Fusion DNA	8.2
	Polymerase	
	5X Herculase II Reaction	9.5 to 10.5
	Buffer	
	SureSelect Binding Buffer	7.5
	SureSelect Wash Buffer 1	7
	SureSelect Wash Buffer 2	7
	SureSelect XT HS and XT	7.5
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	7.6
	SureSelect Post- Capture	7.5
	Primer Mix	
	SureSelect XT HS Index	7.5
	Primer A01-H02	
	SSel XT HS Cancer All-In-	Not available.
	One Lung, 16 Reactions	
Melting point/freezing point	: End Repair-A Tailing	Not available.
menting point neezing point		The available.
menting pointmeezing point	Enzyme Mix	
menting point reezing point		0°C (32°F)
menting point reezing point	Enzyme Mix	
	Enzyme Mix End Repair-A Tailing Buffer	0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase	0°C (32°F) Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer	0°C (32°F) Not available. Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM	0°C (32°F) Not available. Not available. 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP)	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available. Not available. 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available. 0°C (32°F) 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS and XT	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available. Not available. 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available. 0°C (32°F) 0°C (32°F) 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available. 0°C (32°F) 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available. 0°C (32°F) 0°C (32°F) 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block	$0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture	0°C (32°F) Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. Not available. 0°C (32°F) 0°C (32°F) 0°C (32°F)
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture Primer Mix	$0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture Primer Mix SureSelect XT HS Index	$0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available.
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture Primer Mix SureSelect XT HS Index Primer A01-H02	$0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect Post- Capture Primer Mix SureSelect XT HS Index Primer A01-H02 SSel XT HS Cancer All-In-	$0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$
	Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block SureSelect Post- Capture Primer Mix SureSelect XT HS Index Primer A01-H02	$0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ Not available. Not available. $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$ $0^{\circ}C (32^{\circ}F)$

Boiling point, initial boiling point, and boiling range	: End Repair-A Tailing Enzyme Mix	Not available.
1 1 1 1 1 1 1 1 1 1	End Repair-A Tailing Buffer	100°C (212°F)
	T4 DNA Ligase	Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	100°C (212°F)
	Forward Primer	100°C (212°F)
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	100°C (212°F)
	SureSelect Wash Buffer 2	100°C (212°F)
	SureSelect XT HS and XT Low Input Blocker Mix	100°C (212°F)
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture Primer Mix	100°C (212°F)
	SureSelect XT HS Index Primer A01-H02	100°C (212°F)
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	100°C (212°F)

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Flash point

		Close	ed cup		Open cup		
Ingredient name	°C	°F	Method	°C	°F	Method	
End Repair-A Tailing Enzyme Mix							
Glycerol	-	-	-	177	350.6	-	
T4 DNA Ligase							
Glycerol	-	-	-	177	350.6	-	
Ligation Buffer							
Glycerol	-	-	-	177	350.6	-	
Herculase II Fusion DNA Polymerase							
Glycerol	-	-	-	177	350.6	-	
SureSelect RNase Block							
Glycerol	-	-	-	177	350.6	-	

	SSel XT HS Cancer All-In-One Lung, 16 Reactions					
	Glycerol -		177	350.6	-	
Evaporation rate	: End Repair-A Tailing Enzyme Mix	Not available.		I		
	End Repair-A Tailing Buffer	Not available.				
	T4 DNA Ligase	Not available.				
	Ligation Buffer	Not available.				
	Adaptor Oligo Mix	Not available.				
	Forward Primer	Not available.				
	100 mM dNTP Mix (25 mM each dNTP)	Not available.				
	Herculase II Fusion DNA Polymerase	Not available.				
	5X Herculase II Reaction Buffer	Not available.				
	SureSelect Binding Buffer	Not available.				
	SureSelect Wash Buffer 1	Not available.				
	SureSelect Wash Buffer 2	Not available.				
	SureSelect XT HS and XT	Not available.				
	Low Input Blocker Mix					
	SureSelect Fast Hybridization Buffer	Not available.				
	SureSelect RNase Block	Not available.				
	SureSelect Post- Capture	Not available.				
	Primer Mix SureSelect XT HS Index Primer A01-H02	Not available.				
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not available.				
Flammability	: End Repair-A Tailing Enzyme Mix	Not applicable.				
	End Repair-A Tailing Buffer	Not applicable.				
	T4 DNA Ligase	Not applicable.				
	Ligation Buffer	Not applicable.				
	Adaptor Oligo Mix	Not applicable.				
	Forward Primer	Not applicable.				
	100 mM dNTP Mix (25 mM	Not applicable.				
	each dNTP)	Not applicable.				
	Herculase II Fusion DNA Polymerase	Not applicable.				
	5X Herculase II Reaction Buffer	Not applicable.				
	SureSelect Binding Buffer	Not applicable.				
	SureSelect Wash Buffer 1	Not applicable.				
	SureSelect Wash Buffer 2	Not applicable.				
	SureSelect XT HS and XT	Not applicable.				
	Low Input Blocker Mix SureSelect Fast	Not applicable.				
	Hybridization Buffer	-				
	SureSelect RNase Block	Not applicable.				
	SureSelect Post- Capture	Not applicable.				
	Primer Mix SureSelect XT HS Index	Not applicable.				

		Primer A01-H02 SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not applicable.
Lower and upper explosion limit/flammability limit	:	End Repair-A Tailing Enzyme Mix	Not available.
·····,		End Repair-A Tailing Buffer	Not available.
		T4 DNA Ligase	Not available.
		Ligation Buffer	Not available.
		Adaptor Oligo Mix	Not available.
		Forward Primer	Not available.
		100 mM dNTP Mix (25 mM each dNTP)	Not available.
		Herculase II Fusion DNA Polymerase	Not available.
		5X Herculase II Reaction Buffer	Not available.
		SureSelect Binding Buffer	Not available.
		SureSelect Wash Buffer 1	Not available.
		SureSelect Wash Buffer 2	Not available.
		SureSelect XT HS and XT Low Input Blocker Mix	Not available.
		SureSelect Fast Hybridization Buffer	Not available.
		SureSelect RNase Block	Not available.
		SureSelect Post- Capture Primer Mix	Not available.
		SureSelect XT HS Index Primer A01-H02	Not available.
		SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not available.

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Vapor pressure

	Vapo	Vapor Pressure at 20°C			Vapor pressure at 50°C			
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
End Repair-A Tailing Enzyme Mix								
water	17.5	2.3	-	92.258	12.3	-		
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-		
End Repair-A Tailing Buffer water	17.5	2.3	_	92.258	12.3	_		
T4 DNA Ligase	17.5	2.0		32.200	12.5	-		
water	17.5	2.3	-	92.258	12.3	-		
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-		
Ligation Buffer								

:05/20/2021

water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
Adaptor Oligo Mix						
water	17.5	2.3	-	92.258	12.3	-
Forward Primer						
water	17.5	2.3	-	92.258	12.3	-
100 mM dNTP Mix (25 mM each dNTP)						
water	17.5	2.3	-	92.258	12.3	-
Herculase II Fusion DNA Polymerase						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
5X Herculase II Reaction Buffer						
water	17.5	2.3	-	92.258	12.3	-
Trometamol	<0.00075006	<0.0001	-	-	-	-
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 XT HS and XT Low Input Blocker Mix						
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characteristics								
	water	17.5	2.3	-	92.258	12.3	-	
	SureSelect Fast Hybridization Buffer							
	water	17.5	2.3	-	92.258	12.3	-	
	SureSelect RNase Block							
	water	17.5	2.3	-	92.258	12.3	-	
	Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
	SureSelect Post- Capture Primer Mix							
	water	17.5	2.3	-	92.258	12.3	-	
	SureSelect XT HS Index Primer A01-H02							
	water	17.5	2.3	-	92.258	12.3	-	
	SSel XT HS Cancer All-In-One Lung, 16 Reactions							
	water	17.5	2.3	-	92.258	12.3	-	
	Glycerol	0.000075	0.00001	-	0.0025	0.00033	-	
Relative vapor density :	End Repair-A Tailing Enzyme Mix	1	Not avail	able.			1	
	End Repair-A Tailing T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (2		Not avail Not avail Not avail Not avail Not avail Not avail	able. able. able. able.				
	each dNTP) Herculase II Fusion I Polymerase	ONA	Not avail	able.				
	5X Herculase II Read Buffer		Not avail					
	SureSelect Binding E SureSelect Wash Bu		Not avail Not avail					
	SureSelect Wash Bu		Not avail					
	SureSelect XT HS ar	nd XT	Not avail					
	Low Input Blocker Mi SureSelect Fast	x	Not avail	able.				
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	Hybridization Buffer				
	SureSelect RNase Block	Not availab			
	SureSelect Post- Capture	Not availab	ole.		
	Primer Mix				
	SureSelect XT HS Index	Not availab	ole.		
	Primer A01-H02	NI. 4	1.		
	SSel XT HS Cancer All-In-	Not availab	ole.		
	One Lung, 16 Reactions				
Relative density	: End Repair-A Tailing Enzyme Mix	Not availab	le.		
	End Repair-A Tailing Buffer	Not availab	le.		
	T4 DNA Ligase	Not availab	ole.		
	Ligation Buffer	Not availab	ole.		
	Adaptor Oligo Mix	Not availab	ole.		
	Forward Primer	Not availab			
	100 mM dNTP Mix (25 mM	Not availab	ole.		
	each dNTP)				
	Herculase IÍ Fusion DNA Polymerase	Not availab	le.		
	5X Herculase II Reaction	Not availab	le		
	Buffer				
	SureSelect Binding Buffer	Not availab	le.		
	SureSelect Wash Buffer 1	Not availab			
	SureSelect Wash Buffer 2	Not availab			
	SureSelect XT HS and XT	Not availab			
	Low Input Blocker Mix	Not availab	<i>.</i>		
	SureSelect Fast	Not availab	le		
	Hybridization Buffer	Not availab			
	SureSelect RNase Block	Not availab	le		
	SureSelect Post- Capture Not availab				
	•	Primer Mix			
	SureSelect XT HS Index	le.			
	Primer A01-H02				
	SSel XT HS Cancer All-In-	Not availab	le.		
	One Lung, 16 Reactions				
Solubility(ies)	: Media		Result		
	End Repair-A Tailing Enzy	me Mix			
	water		Soluble		
	End Repair-A Tailing Buffe	r			
	water		Soluble		
	T4 DNA Ligase				
	water		Soluble		
	Ligation Buffer				
	water		Soluble		
	Adaptor Oligo Mix				
	water		Soluble		
	Forward Primer				
	water		Soluble		
	100 mM dNTP Mix (25 mM	each dNTP)			
	water	ouon un ,	Soluble		
	Herculase II Fusion DNA P	olvmerase			
	water		Soluble		
	5X Herculase II Reaction B	uffer			
	water		Soluble		
	SureSelect Binding Buffer				
	water		Soluble		
	SureSelect Wash Buffer 1				
Data at issue (Data at we date)				Manajara	50/70
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characteristics					
	water SureSelect Wash Buffer 2		Soluble		
	water SureSelect XT HS and XT L	ow Input	Soluble		
	Blocker Mix	ion input	Salubla		
	water SureSelect Fast Hybridizati	ion Buffer	Soluble		
	water SureSelect RNase Block		Soluble		
	water SureSelect Post- Capture P	Primer Mix	Soluble		
	water SureSelect XT HS Index Pri		Soluble		
	A01-H02		Caluble		
	water SSel XT HS Cancer All-In-O	ne Lung,	Soluble		
	16 Reactions water		Soluble		
Partition coefficient: n- :	End Repair-A Tailing	Not applica	able.		
octanol/water	Enzyme Mix				
	End Repair-A Tailing Buffer	Not applica			
	T4 DNA Ligase	Not applica			
	Ligation Buffer	Not applica			
	Adaptor Oligo Mix	Not applica			
	Forward Primer	Not applica			
	100 mM dNTP Mix (25 mM each dNTP)	Not applica	ibie.		
	Herculase II Fusion DNA Not applicable. Polymerase				
	5X Herculase II Reaction Buffer	Not applica	able.		
	SureSelect Binding Buffer	Not applica	able.		
	SureSelect Wash Buffer 1	Not applica			
	SureSelect Wash Buffer 2	Not applica			
	SureSelect XT HS and XT Low Input Blocker Mix	Not applica			
	SureSelect Fast Hybridization Buffer	Not applica	able.		
	SureSelect RNase BlockNot applicable.SureSelect Post- CaptureNot applicable.				
	Primer Mix SureSelect XT HS Index	Not applica			
	Primer A01-H02 SSel XT HS Cancer All-In-	Not applica			
.	One Lung, 16 Reactions				
Auto-ignition temperature :	Ingredient name	°C	°F	Method	
	End Repair-A Tailing Enzyme Mix				
	Glycerol	370	698	-	
	T4 DNA Ligase				
	Glycorol	270	600		
	Glycerol	370	698	-	
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characteristics					
	Ligation Buffer				
	Glycerol	370	698	-	
	Herculase II Fusion DNA				
	Polymerase				
	Glycerol	370	698	-	
	SureSelect RNase Block				
	Glycerol	370	698	-	
	SSel XT HS Cancer All-In-				
	One Lung, 16 Reactions				
	Glycerol	370	698	-	
Decomposition temperature	: End Repair-A Tailing	Not available.			
	Enzyme Mix	.			
	End Repair-A Tailing Buffer	Not available.			
	T4 DNA Ligase	Not available.			
	Ligation Buffer Adaptor Oligo Mix	Not available. Not available.			
	Forward Primer	Not available.			
	100 mM dNTP Mix (25 mM	Not available.			
	each dNTP)				
	Herculase II Fusion DNA	Not available.			
	Polymerase 5X Herculase II Reaction	Not available.			
	Buffer				
	SureSelect Binding Buffer	Not available.			
	SureSelect Wash Buffer 1	Not available.			
	SureSelect Wash Buffer 2	Not available.			
	SureSelect XT HS and XT Low Input Blocker Mix	Not available.			
	SureSelect Fast	Not available.			
	Hybridization Buffer				
	SureSelect RNase Block	Not available.			
	SureSelect Post- Capture Primer Mix	Not available.			
	SureSelect XT HS Index	Not available.			
	Primer A01-H02				
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Not available.			
Viscosity	: End Repair-A Tailing Enzyme Mix	Not available.			
	End Repair-A Tailing Buffer	Not available.			
	T4 DNA Ligase	Not available.			
	Ligation Buffer	Not available.			
	Adaptor Oligo Mix	Not available.			
	Forward Primer	Not available.			
	100 mM dNTP Mix (25 mM each dNTP)	Not available.			
	Herculase II Fusion DNA Polymerase	Not available.			
			0/0004		

	5X Herculase II Reaction Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT	Not available.
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	Not available.
	SureSelect Post- Capture	Not available.
	Primer Mix	
	SureSelect XT HS Index	Not available.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	Not available.
	One Lung, 16 Reactions	
Particle characteristics	-	
Median particle size	: E nd Repair-A Tailing	Not applicable.
	Enzyme Mix	
	End Repair-A Tailing Buffer	Not applicable.
	T4 DNA Ligase	Not applicable.
	Ligation Buffer	Not applicable.
	Adaptor Oligo Mix	Not applicable.
	Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM	Not applicable.
	each dNTP)	
	Herculase II Fusion DNA	Not applicable.
	Polymerase	
	5X Herculase II Reaction	Not applicable.
	Buffer	
	SureSelect Binding Buffer	Not applicable.
	SureSelect Wash Buffer 1	Not applicable.
	SureSelect Wash Buffer 2	Not applicable.
	SureSelect XT HS and XT	Not applicable.
	Low Input Blocker Mix	
	SureSelect Fast	Not applicable.
	Hybridization Buffer	
	SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture	Not applicable.
	Primer Mix	
	SureSelect XT HS Index	Not applicable.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	Not applicable.
	One Lung, 16 Reactions	

Reactivity	: End Repair-A Tailing Enzyme Mix	No specific test data related to reactivity available for this product or its ingredients.
	End Repair-A Tailing Buffer	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.
	Ligation Buffer	No specific test data related to reactivity available for this product or its ingredients.
	Adaptor Oligo Mix	No specific test data related to reactivity available for this product or its ingredients.
	Forward Primer	No specific test data related to reactivity available for

	· · ·	
		this product or its ingredients.
	100 mM dNTP Mix (25 mM	No specific test data related to reactivity available for
	each dNTP)	this product or its ingredients.
	Herculase II Fusion DNA	No specific test data related to reactivity available for
	Polymerase	this product or its ingredients.
	5X Herculase II Reaction	No specific test data related to reactivity available for
	Buffer	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 XT HS and XT	No specific test data related to reactivity available for
	Low Input Blocker Mix	this product or its ingredients.
	SureSelect Fast	No specific test data related to reactivity available for
	Hybridization Buffer	this product or its ingredients.
	SureSelect RNase Block	No specific test data related to reactivity available for
		this product or its ingredients.
	SureSelect Post- Capture	No specific test data related to reactivity available for
	Primer Mix	this product or its ingredients.
	SureSelect XT HS Index	No specific test data related to reactivity available for
	Primer A01-H02	this product or its ingredients.
	SSel XT HS Cancer All-In-	No specific test data related to reactivity available for
	One Lung, 16 Reactions	this product or its ingredients.
Chemical stability	: End Repair-A Tailing	The product is stable.
	Enzyme Mix	
	End Repair-A Tailing Buffer	The product is stable.
	T4 DNA Ligase	The product is stable.
	Ligation Buffer	The product is stable.
	Adaptor Oligo Mix	The product is stable.
	Forward Primer	The product is stable.
	100 mM dNTP Mix (25 mM each dNTP)	The product is stable.
	Herculase II Fusion DNA	The product is stable.
	Polymerase	
	5X Herculase II Reaction	The product is stable.
	Buffer	
	SureSelect Binding Buffer	The product is stable.
	SureSelect Wash Buffer 1	The product is stable.
	SureSelect Wash Buffer 2	The product is stable.
	SureSelect XT HS and XT	The product is stable.
	Low Input Blocker Mix	
	SureSelect Fast	The product is stable.
	Hybridization Buffer	
	SureSelect RNase Block	The product is stable
	SureSelect Post- Capture	The product is stable. The product is stable.
	Primer Mix	
	SureSelect XT HS Index Primer A01-H02	The product is stable.
	SSel XT HS Cancer All-In-	The product is stable.
	One Lung, 16 Reactions	•

Section 10. Stability	and reactivity	
Possibility of hazardous : reactions	End Repair-A Tailing Enzyme Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	End Repair-A Tailing Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	T4 DNA Ligase	Under normal conditions of storage and use,
	Ligation Buffer	hazardous reactions will not occur. Under normal conditions of storage and use,
	Adaptor Oligo Mix	hazardous reactions will not occur. Under normal conditions of storage and use,
	Forward Primer	hazardous reactions will not occur. Under normal conditions of storage and use,
		hazardous reactions will not occur.
	100 mM dNTP Mix (25 mM each dNTP)	Under normal conditions of storage and use, hazardous reactions will not occur.
	Herculase II Fusion DNA	Under normal conditions of storage and use,
	Polymerase	hazardous reactions will not occur.
	5X Herculase II Reaction	Under normal conditions of storage and use,
	Buffer SureSelect Binding Buffer	hazardous reactions will not occur. Under normal conditions of storage and use,
	SureSelect Wash Buffer 1	hazardous reactions will not occur. 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 XT HS and XT	Under normal conditions of storage and use,
	Low Input Blocker Mix	hazardous reactions will not occur.
	SureSelect Fast	Under normal conditions of storage and use,
	Hybridization Buffer	hazardous reactions will not occur.
	SureSelect RNase Block	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureSelect Post- Capture Primer Mix	Under normal conditions of storage and use, hazardous reactions will not occur.
	SureSelect XT HS Index	Under normal conditions of storage and use,
	Primer A01-H02	hazardous reactions will not occur.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
	ene Lang, re ricacione	
Conditions to avoid :	End Repair-A Tailing Enzyme Mix	No specific data.
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix Forward Primer	No specific data. No specific data.
	100 mM dNTP Mix (25 mM each dNTP)	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	5X Herculase II Reaction Buffer	No specific data.
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect XT HS and XT	No specific data.
	Low Input Blocker Mix SureSelect Fast	No specific data.
	Hybridization Buffer	
	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture	No specific data.
	Primer Mix	

		No specific data.
	Primer A01-H02 SSel XT HS Cancer All-In- One Lung, 16 Reactions	No specific data.
Incompatible materials	: End Repair-A Tailing	May react or be incompatible with oxidizing materials
	Enzyme Mix	May react or be incompatible with evidizing materials
	End Repair-A Tailing Buffer T4 DNA Ligase	May react or be incompatible with oxidizing materials May react or be incompatible with oxidizing materials
	Ligation Buffer	May react or be incompatible with oxidizing materials
	Adaptor Oligo Mix	May react or be incompatible with oxidizing materials
	Forward Primer	May react or be incompatible with oxidizing materials
	100 mM dNTP Mix (25 mM each dNTP)	May react or be incompatible with oxidizing materials
	Herculase II Fusion DNA Polymerase	May react or be incompatible with oxidizing materials
	5X Herculase II Reaction Buffer	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 XT HS and XT	May react or be incompatible with oxidizing materials
	Low Input Blocker Mix SureSelect Fast Hybridization Buffer	May react or be incompatible with oxidizing materials
	SureSelect RNase Block	May react or be incompatible with oxidizing materials
	SureSelect Post- Capture Primer Mix	May react or be incompatible with oxidizing materials
	SureSelect XT HS Index Primer A01-H02	May react or be incompatible with oxidizing materials
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	May react or be incompatible with oxidizing materials
Hazardous decomposition products	: End Repair-A Tailing Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be
products		produced.
	End Repair-A Tailing Buffer	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.
	Ligation Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be
	Adaptor Oligo Mix	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
	Forward Primer	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
	100 mM dNTP Mix (25 mM	produced. Under normal conditions of storage and use,
	each dNTP)	hazardous decomposition products should not be produced.
	Herculase II Fusion DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	5X Herculase II Reaction Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be

	produced.
SureSelect Binding Buffer	Under normal conditions of storage and use,
	hazardous decomposition products should not be
	produced.
SureSelect Wash Buffer 1	Under normal conditions of storage and use,
	hazardous decomposition products should not be
	produced.
SureSelect Wash Buffer 2	Under normal conditions of storage and use,
	hazardous decomposition products should not be
SureSelect XT HS and XT	produced.
	Under normal conditions of storage and use,
Low Input Blocker Mix	hazardous decomposition products should not be produced.
SureSelect Fast	Under normal conditions of storage and use,
Hybridization Buffer	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 Post- Capture	Under normal conditions of storage and use,
Primer Mix	hazardous decomposition products should not be
	produced.
SureSelect XT HS Index	Under normal conditions of storage and use,
Primer A01-H02	hazardous decomposition products should not be
	produced.
SSel XT HS Cancer All-In-	Under normal conditions of storage and use,
One Lung, 16 Reactions	hazardous decomposition products should not be
	produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result		Species	Dose	Exposure
End Repair-A Tailing					
Enzyme Mix					
Glycerol	LD50 Oral		Rat	12600 mg/kg	-
End Repair-A Tailing					
Buffer					
Potassium chloride	LD50 Oral		Rat	2600 mg/kg	-
T4 DNA Ligase					
Glycerol	LD50 Oral		Rat	12600 mg/kg	-
Ligation Buffer					
Glycerol	LD50 Oral		Rat	12600 mg/kg	_
				12000 mg/ng	
Herculase II Fusion DNA					
Polymerase					
Glycerol	LD50 Oral		Rat	12600 mg/kg	-
EV Haraulaaa II Daastian					
5X Herculase II Reaction Buffer					
Trometamol	LD50 Dermal		Rat	>5000 mg/kg	-
Hexadecan-1-ol, ethoxylated	LD50 Oral		Rat	2500 mg/kg	-
· ·					
SureSelect Wash Buffer 1					
Sodium dodecyl sulphate	LD50 Oral		Rat	1288 mg/kg	-
ate of issue/Date of revision	: 04/30/2024	Date of previous iss	ue : 05/	/20/2021	Version : 4

-	Becholi II. Toxicological information					
	SureSelect Wash Buffer 2 Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-	
	SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions Glycerol	LD50 Oral	Rat	12600 mg/kg	-	

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
End Repair-A Tailing					
Enzyme Mix					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
End Repair-A Tailing					
Buffer					
Potassium chloride	Eyes - Mild irritant	Rabbit	_	24 hours 500	_
		Rubbit		mg	
				ing	
T4 DNA Ligase					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
Ligation Buffer					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
,				mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
Herculase II Fusion DNA					
Polymerase					
Glycerol	Eyes - Mild irritant	Rabbit	_	24 hours 500	_
		T CODDIC		mg	
	Skin - Mild irritant	Rabbit	_	24 hours 500	-
				mg	
5X Herculase II Reaction Buffer					
Trometamol	Skin - Moderate irritant	Rabbit	_	25 %	_
Hemetamer	Skin - Severe irritant	Rabbit	_	500 mg	-
				e e e mg	
SureSelect Wash Buffer 1					
Sodium dodecyl sulphate	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	-
	Skin - Mild irritant	Rabbit		mg 24 hours 50	
		Rabbit	-		-
	Skin - Moderate irritant	Mouse		mg 24 hours 25	
		MOUSE	Ī		-

				100.01	1
	Skin - Moderate irritant	Rabbit	-	mg 24 hours 25	-
				mg	
SureSelect Wash Buffer 2					
Sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	_	250 ug	_
	Eyes - Moderate irritant	Rabbit	_	10 mg	_
	Eyes - Moderate irritant	Rabbit		24 hours 100	
	Lyes - Moderate initant	Tabbit	-		-
	Skin - Mild irritant	Guinea pig		mg 24 hours 25	
	Skill - Mild Initalit	Guinea pig	-		-
	Skin - Mild irritant	Rabbit		mg 24 hours 50	-
	Skill - Mild Initalit	Tabbit	-		-
	Skin - Moderate irritant	Mouse		mg 24 hours 25	
	Skill - Moderate initalit	MOUSE	-		-
	Skin - Moderate irritant	Rabbit		mg 24 hours 25	
		Nabbit	-		-
				mg	
SureSelect RNase Block					
Glycerol	Eyes - Mild irritant	Rabbit		24 hours 500	
Giycerol		Tabbit	-		-
	Skin - Mild irritant	Rabbit		mg 24 hours 500	
	Skill - Mild Initalit	Tabbit	-		-
				mg	
SSel XT HS Cancer All-In-					
One Lung, 16 Reactions					
	Even Mild irritant	Dabbit		24 hours EOO	
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Skip Mild irritant	Dabbit		mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	

Sensitization

Not available.

Mutagenicity	
Conclusion/Summary	: Not available.
Carcinogenicity	
Conclusion/Summary	: Not available.
Reproductive toxicity	
Conclusion/Summary	: Not available.
Teratogenicity	
Conclusion/Summary	: Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
5X Herculase II Reaction Buffer Trometamol	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) Not available.

Aspiration hazard

Not available.

Information on the likely : routes of exposure	End Repair-A Tailing Enzyme Mix	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	End Repair-A Tailing Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	T4 DNA Ligase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Ligation Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA	Routes of entry anticipated: Oral, Dermal, Inhalation,
	Polymerase	Eyes.
	5X Herculase II Reaction	Routes of entry anticipated: Oral, Dermal, Inhalation,
	Buffer	Eyes.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2	Not available.
	SureSelect XT HS and XT	Not available.
	Low Input Blocker Mix	Bester of entry entirinated, Oral Dermal Inhelation
	SureSelect Fast	Routes of entry anticipated: Oral, Dermal, Inhalation,
	Hybridization Buffer SureSelect RNase Block	Eyes. Routes of entry anticipated: Oral, Dermal, Inhalation,
	Sureselect Mase Diock	Eyes.
	SureSelect Post- Capture	Not available.
	Primer Mix	
	SureSelect XT HS Index	Not available.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	Not available.
	One Lung, 16 Reactions	
Potential acute health effects	-	
	End Repair-A Tailing	Causes eye irritation.
-	Enzyme Mix	
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	Causes eye irritation.
	Ligation Buffer	Causes eye irritation.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	Causes eye irritation.
	5X Herculase II Reaction Buffer	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 XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.

	gical information			
	SureSelect RNase Block	Causes eye irritation.		
	SureSelect Post- Capture Primer Mix	No known significant effects or	critical hazards.	
	SureSelect XT HS Index Primer A01-H02	No known significant effects or	critical hazards.	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No known significant effects or	critical hazards.	
Inhalation :	End Repair-A Tailing Enzyme Mix	No known significant effects or	critical hazards.	
	End Repair-A Tailing Buffer	No known significant effects or	critical hazards.	
	T4 DNA Ligase	No known significant effects or		
	Ligation Buffer	No known significant effects or		
	Adaptor Oligo Mix	No known significant effects or		
	Forward Primer	No known significant effects or		
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or		
	Herculase II Fusion DNA Polymerase	No known significant effects or	critical hazards.	
	5X Herculase II Reaction Buffer	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		
	SureSelect Wash Buffer 2	No known significant effects or	critical hazards.	
	SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or	critical hazards.	
	SureSelect Fast Hybridization Buffer	No known significant effects or	critical hazards.	
	SureSelect RNase Block	No known significant effects or	critical hazards.	
	SureSelect Post- Capture Primer Mix	No known significant effects or	critical hazards.	
	SureSelect XT HS Index Primer A01-H02	No known significant effects or	critical hazards.	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No known significant effects or	critical hazards.	
Skin contact :	End Repair-A Tailing Enzyme Mix	No known significant effects or	critical hazards.	
	End Repair-A Tailing Buffer	No known significant effects or	critical hazards.	
	T4 DNA Ligase	No known significant effects or	critical hazards.	
	Ligation Buffer	No known significant effects or	critical hazards.	
	Adaptor Oligo Mix	No known significant effects or		
	Forward Primer	No known significant effects or		
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or		
	Herculase II Fusion DNA Polymerase	No known significant effects or		
	5X Herculase II Reaction Buffer	No known significant effects or		
	SureSelect Binding Buffer	No known significant effects or		
	SureSelect Wash Buffer 1	No known significant effects or		
	SureSelect Wash Buffer 2	No known significant effects or		
	SureSelect XT HS and XT Low Input Blocker Mix	No known significant effects or		
	SureSelect Fast Hybridization Buffer	No known significant effects or		
	SureSelect RNase Block	No known significant effects or		
	SureSelect Post- Capture Primer Mix	No known significant effects or		
	SureSelect XT HS Index Primer A01-H02	No known significant effects or		
	SSel XT HS Cancer All-In-	No known significant effects or	critical hazards.	
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	One Lung, 16 Reactions	
Ingestion	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	5X Herculase II Reaction Buffer	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 XT HS and XT Low Input Blocker Mix	No known significant effects or critical hazards.
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post- Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT HS Index Primer A01-H02	No known significant effects or critical hazards.
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: End Repair-A Tailing Enzyme Mix	Adverse symptoms may include the following:
	,	irritation
		watering
		redness
	End Repair-A Tailing Buffer T4 DNA Ligase	No specific data. Adverse symptoms may include the following:
	I + DIA LIGASE	irritation
		watering redness
	Ligation Buffer	Adverse symptoms may include the following: irritation
		watering
		redness
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM each dNTP)	No specific data.
	Herculase II Fusion DNA Polymerase	Adverse symptoms may include the following:
		irritation
		watering
		redness
	5X Herculase II Reaction Buffer	No specific data.
	SureSelect Binding Buffer	No specific data.
	SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data.
	SureSelect XT HS and XT	No specific data.

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	Low Input Blocker Mix SureSelect Fast Hybridization Buffer	No specific data.	
	SureSelect RNase Block	Adverse symptoms may include the following: irritation watering	
		redness	
	SureSelect Post- Capture Primer Mix	No specific data.	
	SureSelect XT HS Index Primer A01-H02	No specific data.	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No specific data.	
Inhalation	: End Repair-A Tailing Enzyme Mix	No specific data.	
	End Repair-A Tailing Buffer	No specific data.	
	T4 DNA Ligase	No specific data.	
	Ligation Buffer	No specific data.	
	Adaptor Oligo Mix	No specific data.	
	Forward Primer	No specific data.	
	100 mM dNTP Mix (25 mM each dNTP)	No specific data.	
	Herculase II Fusion DNA Polymerase	No specific data.	
	5X Herculase II Reaction Buffer	No specific data.	
	SureSelect Binding Buffer	No specific data.	
	SureSelect Wash Buffer 1	No specific data.	
	SureSelect Wash Buffer 2	No specific data.	
	SureSelect XT HS and XT Low Input Blocker Mix	No specific data.	
	SureSelect Fast Hybridization Buffer	No specific data.	
	SureSelect RNase Block SureSelect Post- Capture Primer Mix	No specific data. No specific data.	
	SureSelect XT HS Index Primer A01-H02	No specific data.	
	SSel XT HS Cancer All-In- One Lung, 16 Reactions	No specific data.	
Skin contact	: End Repair-A Tailing Enzyme Mix	No specific data.	
	End Repair-A Tailing Buffer	No specific data.	
	T4 DNA Ligase	No specific data.	
	Ligation Buffer	No specific data.	
	Adaptor Oligo Mix	No specific data.	
	Forward Primer	No specific data.	
	100 mM dNTP Mix (25 mM each dNTP)	No specific data.	
	Herculase II Fusion DNA Polymerase	No specific data.	
	5X Herculase II Reaction Buffer	No specific data.	
	SureSelect Binding Buffer	No specific data.	
	SureSelect Wash Buffer 1	No specific data.	
	SureSelect Wash Buffer 2	No specific data.	
	SureSelect XT HS and XT Low Input Blocker Mix	No specific data.	
	SureSelect Fast Hybridization Buffer	No specific data.	
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	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture	No specific data.
	Primer Mix	
	SureSelect XT HS Index	No specific data.
	Primer A01-H02	
	SSel XT HS Cancer All-In-	No specific data.
	One Lung, 16 Reactions	
Ingestion :	End Repair-A Tailing	No specific data.
	Enzyme Mix	
	End Repair-A Tailing Buffer	No specific data.
	T4 DNA Ligase	No specific data.
	Ligation Buffer	No specific data.
	Adaptor Oligo Mix	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM	No specific data.
	each dNTP)	
	Herculase II Fusion DNA	No specific data.
	Polymerase	
	5X Herculase II Reaction Buffer	No specific data.
		No oposifio data
	SureSelect Binding Buffer SureSelect Wash Buffer 1	No specific data.
	SureSelect Wash Buffer 2	No specific data. No specific data.
	SureSelect XT HS and XT	No specific data.
	Low Input Blocker Mix	No specific data.
	SureSelect Fast	No specific data.
	Hybridization Buffer	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Post- Capture	No specific data.
	Primer Mix	No specific data.
	SureSelect XT HS Index	No specific data.
	Primer A01-H02	-
	SSel XT HS Cancer All-In-	No specific data.
	One Lung, 16 Reactions	

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 effe	<u>ect</u>	<u>s</u>		
General	:	End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase 5X Herculase II Reaction	No known significant effects or critical hazards. No known significant effects or critical hazards.	
Dete of issue (Dete of models)				_

	gical internation	
	Buffer	
	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 XT HS and XT	No known significant effects or critical hazards.
	Low Input Blocker Mix	<u> </u>
	SureSelect Fast	No known significant effects or critical hazards.
	Hybridization Buffer	5
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post- Capture	No known significant effects or critical hazards.
	Primer Mix	no hitomi olgimbarit onoolo or oritoar hazarao.
	SureSelect XT HS Index	No known significant effects or critical hazards.
	Primer A01-H02	No known significant chects of childa hazards.
	SSel XT HS Cancer All-In-	No known significant effects or critical hazards.
	One Lung, 16 Reactions	No known significant enects of childa hazards.
	-	
Carcinogenicity :	End Repair-A Tailing	No known significant effects or critical hazards.
	Enzyme Mix	
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
	each dNTP)	
	Herculase II Fusion DNA	No known significant effects or critical hazards.
	Polymerase	
	5X Herculase II Reaction	No known significant effects or critical hazards.
	Buffer	
	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 XT HS and XT	No known significant effects or critical hazards.
	Low Input Blocker Mix	5
	SureSelect Fast	No known significant effects or critical hazards.
	Hybridization Buffer	Ŭ
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post- Capture	No known significant effects or critical hazards.
	Primer Mix	Ŭ
	SureSelect XT HS Index	No known significant effects or critical hazards.
	Primer A01-H02	5
	SSel XT HS Cancer All-In-	No known significant effects or critical hazards.
	One Lung, 16 Reactions	5
Mutagenicity :	-	No known significant effects or critical hazards.
Mutagenicity :	End Repair-A Tailing	NO KHOWH SIGNIFICANT ENECTS OF CHILCAI NAZARUS.
	Enzyme Mix	No known aignificant affacts or critical bazarda
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
	each dNTP)	
	Herculase II Fusion DNA	No known significant effects or critical hazards.
	Polymerase	
	5X Herculase II Reaction	No known significant effects or critical hazards.
	Buffer	
	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 XT HS and XT	No known significant effects or critical hazards.
	Low Input Blocker Mix	
		0E/00/0001

	•	
	SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post- Capture	No known significant effects or critical hazards.
	Primer Mix	No known significant enects of childa hazards.
	SureSelect XT HS Index	No known significant effects or critical hazards.
	Primer A01-H02	No known significant effects of childa hazards.
	SSel XT HS Cancer All-In-	No known agnificant affacts or aritical bazarda
	One Lung, 16 Reactions	No known significant effects or critical hazards.
Reproductive toxicity :	End Repair-A Tailing Enzyme Mix	No known significant effects or critical hazards.
	End Repair-A Tailing Buffer	No known significant effects or critical hazards.
	T4 DNA Ligase	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Adaptor Oligo Mix	No known significant effects or critical hazards.
	Forward Primer	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
	each dNTP)	5
	Herculase II Fusion DNA	No known significant effects or critical hazards.
	Polymerase	5
	5X Herculase II Reaction	No known significant effects or critical hazards.
	Buffer	0
	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 XT HS and XT	No known significant effects or critical hazards.
	Low Input Blocker Mix	
	SureSelect Fast	No known significant effects or critical hazards.
	Hybridization Buffer	
	SureSelect RNase Block	No known significant effects or critical hazards.
	SureSelect Post- Capture	No known significant effects or critical hazards.
	Primer Mix	-
	SureSelect XT HS Index	No known significant effects or critical hazards.
	Primer A01-H02	-
	SSel XT HS Cancer All-In-	No known significant effects or critical hazards.
	One Lung, 16 Reactions	č
	U *	

Numerical measures of toxicity

Acute toxicity	<u>estimates</u>
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Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
End Repair-A Tailing Enzyme Mix Glycerol	12600	N/A	N/A	N/A	N/A
End Repair-A Tailing Buffer End Repair-A Tailing Buffer Potassium chloride	159509.2 2600	N/A N/A	N/A N/A	N/A N/A	N/A N/A
T4 DNA Ligase Glycerol	12600	N/A	N/A	N/A	N/A
Ligation Buffer Glycerol	12600	N/A	N/A	N/A	N/A
Herculase II Fusion DNA Polymerase Glycerol	12600	N/A	N/A	N/A	N/A
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SureSelect XT HS Reagent Kit, index 1-16 + SSel Cancer All-In-One Lung Panel, 16rxn, Part Number G9704R

Section 11. Toxicological information

Section 11. Toxicological infor	Section 11. Toxicological information					
5X Herculase II Reaction Buffer 5X Herculase II Reaction Buffer Hexadecan-1-ol, ethoxylated	107739.0 2500	N/A N/A	N/A N/A	N/A N/A	N/A N/A	
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	
SSel XT HS Cancer All-In-One Lung, 16 Reactions Glycerol	12600	N/A	N/A	N/A	N/A	

Other information

: End Repair-A Tailing Buffer

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

SureSelect RNase Block

Section 12. Ecological information

<u>Toxicity</u>			
Product/ingredient name	Result	Species	Exposure
End Repair-A Tailing Enzyme Mix			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
End Repair-A Tailing Buffer			
Potassium chloride	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 9.68 mg/l Fresh water	Crustaceans - <i>Pseudosida</i> <i>ramosa</i> - Neonate	48 hours
	Acute LC50 93000 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 509.65 mg/l Fresh water	Fish - <i>Danio rerio</i>	96 hours
T4 DNA Ligase			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Ligation Buffer			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Herculase II Fusion DNA Polymerase			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
5X Herculase II Reaction Buffer			
Trometamol	Acute EC50 >980 mg/l Fresh water	Daphnia	48 hours
	Acute NOEC 520 mg/l Fresh water	Daphnia	48 hours
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	gical information		
Hexadecan-1-ol, ethoxylated	Acute LC50 330000 to 1000000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours
SureSelect Wash Buffer 1			
Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - <i>Artemia salina</i> - Adult	48 hours
	Acute LC50 1400 μg/l Fresh water	Daphnia - <i>Daphnia pulex -</i> Neonate	48 hours
	Acute LC50 590 µg/l Fresh water	Fish - Cirrhinus mrigala - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - <i>Ulva fasciata</i> - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - <i>Pseudosida</i> <i>ramosa</i> - Neonate	21 days
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
	Chronic NOEC 0.8 mg/l Fresh water	Fish - Gambusia holbrooki	28 days
SureSelect Wash Buffer 2			
Sodium dodecyl sulphate	Acute EC50 1200 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute LC50 900 µg/l Marine water	Crustaceans - <i>Artemia salina</i> - Adult	48 hours
	Acute LC50 1400 µg/l Fresh water	Daphnia - <i>Daphnia pulex -</i> Neonate	48 hours
	Acute LC50 590 μg/l Fresh water	Fish - Cirrhinus mrigala - Larvae	96 hours
	Chronic NOEC 1.25 mg/l Marine water	Algae - <i>Ulva fasciata</i> - Zoea	96 hours
	Chronic NOEC 1 mg/l Fresh water	Crustaceans - <i>Pseudosida</i> <i>ramosa</i> - Neonate	21 days
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	21 days
	Chronic NOEC 0.8 mg/l Fresh water	Fish - Gambusia holbrooki	28 days
SureSelect RNase Block			001
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
SSel XT HS Cancer All-In-			
One Lung, 16 Reactions Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
End Repair-A Tailing Enzyme Mix				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
T4 DNA Ligase				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Ligation Buffer				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
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12 Ecological inf . . .

Section 12. Ecolog	tion 12. Ecological information					
Herculase II Fusion DNA Polymerase Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days		-	-	
5X Herculase II Reaction Buffer Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days		30 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 Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	93 % - 30 days		-	
SSel XT HS Cancer All-In- One Lung, 16 Reactions Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days		-	-	
Product/ingredient name	Aquatic half-life		Photolysis	S	Biodegradability	
End Repair-A Tailing Buffer Potassium chloride	-		-		Readily	
5X Herculase II Reaction Buffer Trometamol Hexadecan-1-ol, ethoxylated	-		-		Readily Readily	
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	-		-		Readily	
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	-		-		Readily	

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
End Repair-A Tailing Enzyme Mix			
Glycerol	-1.76	-	Low
End Repair-A Tailing Buffer Potassium chloride	-0.46	-	Low
T4 DNA Ligase Glycerol	-1.76	-	Low
Ligation Buffer Glycerol	-1.76	-	Low
Herculase II Fusion DNA Polymerase			
Glycerol	-1.76	-	Low
5X Herculase II Reaction Buffer			
Trometamol Hexadecan-1-ol, ethoxylated	-2.31 >6.06	-	Low High
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
SSel XT HS Cancer All-In- One Lung, 16 Reactions			
Glycerol	-1.76	-	Low

Mobility in soil

Soil/water partition			
coefficient	(Koc)		

: 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. Regula	itory information
Canadian lists	
Canadian NPRI	: None of the components are listed.
CEPA Toxic substances	: None of the components are listed.
International regulations	
Chemical Weapon Conventi	on List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol	
Not listed.	
Stockholm Convention on F Not listed.	Persistent Organic Pollutants
	rier Informed Concent (PIC)
Rotterdam Convention on P Not listed.	
UNECE Aarhus Protocol on	POPs and Heavy Metals
Not listed.	
Inventory list	
Canada	: Not determined.

United States : Not determined.

Section 16. Other information

<u>History</u>	
Date of issue/Date of revision	: 04/30/2024
Date of previous issue	: 05/20/2021
Version	: 4
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 = Internediate 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

112.4

Section 16. Other information

Classification	Justification	
End Repair-A Tailing Enzyme Mix EYE IRRITATION - Category 2B	Calculation method	
T4 DNA Ligase EYE IRRITATION - Category 2B	Calculation method	
Ligation Buffer EYE IRRITATION - Category 2B	Calculation method	
Herculase II Fusion DNA Polymerase EYE IRRITATION - Category 2B	Calculation method	
SureSelect RNase Block EYE IRRITATION - Category 2B	Calculation method	

V Indicates information that has changed from previously issued version.

Notice to reader

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Note *

: *SureSelect XT HS Index Primer A01-H02: 5190-6419, 5190-6420, 5190-6421, 5190-6422, 5190-6423, 5190-6424, 5190-6425, 5190-6426, 5190-6427, 5190-6428, 5190-6429, 5190-6430, 5190-6431, 5190-6432, 5190-6433, 5190-6434