SAFETY DATA SHEET



SureSelect XT Low Input Reagent Kit, index 97-192 + Human All Exon V7 Target Enrichment Baits, 96 rxn, auto, Part Number G9508N

Section 1. Identification

Product identifier	: SureSelect XT Low Input Reagent Kit, index 97-192 + Human All Exon V7 Target Enrichment Baits, 96 rxn, auto, Part Number G9508N		
Part no. (chemical kit)	: G9508N		
Part no.	: <u>SureSelect XT HS and XT Low Input Library</u> <u>5500-0140</u> <u>Prep Kit for ILM (Pre PCR), 96 Rxn</u>		
	End Repair-A Tailing Enzyme Mix 5190-6435		
	End Repair-A Tailing Buffer 5190-6436		
	T4 DNA Ligase 5190-6437		
	Ligation Buffer 5190-6438		
	Adaptor Oligo Mix 5190-6439		
	Forward Primer 5190-6440		
	<u>SureSelect XT HS and XT Low Input Library</u> <u>5500-0140 / 5190-9686</u> Prep Kit for ILM (Pre PCR), 96 Rxn /		
	SureSelect XT HS and XT Low Input Target Enrichment Kit, ILM Hyb Module, Box 2 (Post		
	PCR), 96 Rxn		
	100 mM dNTP Mix (25 mM each dNTP) 200418-51		
	Herculase II Fusion DNA Polymerase 5600-3761		
	5X Herculase II Reaction Buffer 600675-52		
	SureSelect XT HS and XT Low Input Target 5190-9687		
	Enrichment Kit, ILM Hyb Module, Box 1 (Post		
	PCR), 96 Rxn		
	SureSelect Binding Buffer 5190-9734		
	SureSelect Wash Buffer 1 5190-4408		
	SureSelect Wash Buffer 2 5190-4409		
	SureSelect XT HS and XT Low Input Target 5190-9686		
	<u>Enrichment Kit, ILM Hyb Module, Box 2 (Post</u> <u>PCR), 96 Rxn</u>		
	SureSelect XT HS and XT Low Input Blocker 5190-9534 Mix		
	SureSelect Fast Hybridization Buffer 5190-7330		
	SureSelect RNase Block 5972-3700		
	SureSelect Post-Capture Primer Mix 5190-9732		
	SureSelect XT Low Input Index Primers 5190-6445 97-192 for ILM (Pre PCR)		
	SureSelect XT Low Input Index Bulk Set 2 Various* A01-H12		
	SSEL XT HS and XT Low Input Custom 5190-9927 / 5190-9928 / 5190-99		
	Capture Library / 5190-9930 / 5190-9931 /		
	5190-9943 / 5190-9950 / 5190-99		
	/ 5190-9945 / 5190-9954 /		
	5190-9947		
	SSel XT Low Input Human All Exon V7, 96 5191-4030		
	Reactions Automation		
	SSel XT Low Input Human All Exon V7, 96 5191-4030 Reactions Automation		
Material uses	: Analytical reagent.		
	For Research Use Only. Not for use in diagnostic procedures.		

Section 1. Identification

	 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 SureSelect XT HS and XT Low Input Blocker Mix 	0.512 ml (96 reactions) 2.048 ml (96 reactions) 0.256 ml (96 reactions) 2.944 ml (96 reactions) 0.64 - 0.7 ml (96 reactions) 0.256 ml (96 reactions) 0.1 ml 0.14 ml (96 reactions) 1.5 ml 93 ml 48 ml 144 ml 0.64 ml (96 reactions)
	SureSelect Fast Hybridization Buffer	0.918 ml
	SureSelect RNase Block	0.08 ml
	SureSelect Post-Capture Primer Mix	0.14 ml (96 reactions)
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	96 x 0.01 ml (96 reactions)
	SSEL XT HS and XT Low Input Custom Capture Library	0.192 - 0.48 ml (96 reactions)
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	0.68 ml
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 Low Input Index Bulk Set 2 A01-H12: 5190-3901, 5190-3902, 5190-3903, 5190-3904, 5190-3905, 5190-3906, 5190-3907, 5190-3908, 5190-3909, 5190-3910, 5190-3911, 5190-3912, 5190-3913, 5190-3914, 5190-3915, 5190-3916, 5190-3917, 5190-3918, 5190-3919, 5190-3920, 5190-3921, 5190-3922, 5190-3923, 5190-3924, 5190-3925, 5190-3926, 5190-3927, 5190-3928, 5190-3929, 5190-3930, 5190-3931, 5190-3932, 5190-3933, 5190-3934, 5190-3935, 5190-3936, 5190-3937, 5190-3938, 5190-3939, 5190-3940, 5190-3941, 5190-3942, 5190-3943, 5190-3944, 5190-3945, 5190-3946, 5190-3947, 5190-3948, 5190-3949, 5190-3950, 5190-3951, 5190-3952, 5190-3953, 5190-3954, 5190-3955, 5190-3956, 5190-3957, 5190-3958, 5190-3959, 5190-3960, 5190-3961, 5190-3962, 5190-3963, 5190-3964, 5190-3965, 5190-3966, 5190-3967, 5190-3968, 5190-3969, 5190-3970, 5190-3971, 5190-3972, 5190-3973, 5190-3974, 5190-3975, 5190-3976, 5190-3977, 5190-3978, 5190-3979, 5190-3980, 5190-3981, 5190-3982, 5190-3983, 5190-3984, 5190-3985, 5190-3986, 5190-3986, 5190-3980, 5190-3980, 5190-3980, 5190-3980, 5190-3981, 5190-3983, 5190-3984, 5190-3985, 5190-3986, 5190-3986, 5190-3980, 5190-3990, 5190-3991, 5190-3992, 5190-3993, 5190-3994, 5190-3995, 5190-3996	

Classification of the substa	<u>nce or mixture</u>		
End Repair-A Tailing Enzyme Mix H320	EYE IRRITATION - Category 2B		
T4 DNA Ligase H320	EYE IRRITATION - Category 2B		
Ligation Buffer H320	EYE IRRITATION - Category 2B		
Herculase II Fusion DNA Polymerase			
Date of issue/Date of revision	: 04/19/2022 Date of previous issue	: 03/04/2022	Version : 3.1 2/80

Section 2. Hazaru		
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	Warning
	End Repair-A Tailing Buffer T4 DNA Ligase	No signal word. Warning
	Ligation Buffer	Warning
	Adaptor Oligo Mix	No signal word.
	Forward Primer	No signal word.
	100 mM dNTP Mix (25 mM each dNTP)	No signal word.
	Herculase II Fusion DNA Polymerase	Warning
	5X Herculase II Reaction Buffer	No signal word.
	SureSelect Binding Buffer	No signal word.
	SureSelect Wash Buffer 1	No signal word.
	SureSelect Wash Buffer 2	No signal word.
	SureSelect XT HS and XT Low Input Blocker Mix	No signal word.
	SureSelect Fast Hybridization Buffer	No signal word.
	SureSelect RNase Block	Warning
	SureSelect Post-Capture Primer Mix	No signal word.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No signal word.
	SSEL XT HS and XT Low Input Custom Capture Library	No signal word.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No signal word.
Hazard statements	: End Repair-A Tailing Enzyme Mix	H320 - Causes eye irritation.
	End Repair-A Tailing Buffer T4 DNA Ligase	No known significant effects or critical hazards. H320 - Causes eye irritation.
	Ligation Buffer	H320 - 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	H320 - 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 SureSelect Wash Buffer 2	No known significant effects or critical hazards.
	SureSelect XT HS and XT	No known significant effects or critical hazards. No known significant effects or critical hazards.
	Low Input Blocker Mix SureSelect Fast Hybridization Buffer	No known significant effects or critical hazards.
	SureSelect RNase Block	H320 - Causes eye irritation.
	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.

	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No known significant effects or critical hazards.
Precautionary statements		
Prevention	: 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 Rivase Block SureSelect Post-Capture Primer Mix	Not applicable. Not applicable.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not applicable.
	SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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 advice or attention.
	Ligation Buffer	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
	Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM	Not applicable. Not applicable. Not applicable.
	each dNTP) 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
	5X Herculase II Reaction	advice or attention. 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	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
	Sure Sale at Deat Canture	advice or attention.
	SureSelect Post-Capture Primer Mix	Not applicable.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not applicable.
	SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
	SSel XT Low Input Human	Not applicable.
	All Exon V7, 96 Reactions Automation	
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 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 Hybridization Buffer	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Post-Capture	Not applicable.
	Primer Mix	
	SureSelect XT Low Input	Not applicable.
	Index Bulk Set 2 A01-H12	N () () ()
	SSEL XT HS and XT Low	Not applicable.
	Input Custom Capture Library	
	SSel XT Low Input Human	Not applicable.
	All Exon V7, 96 Reactions Automation	

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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 Low Input Blocker Mix	Not applicable.
	SureSelect Fast Hybridization Buffer	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Post-Capture Primer Mix	Not applicable.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not applicable.
	SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not applicable.
Supplemental label elements	: 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	None known.
	each dNTP)	
	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 Low Input Index Bulk Set 2 A01-H12	None known.
	SSEL XT HS and XT Low Input Custom Capture Library	None known.
	SSel XT Low Input Human All Exon V7, 96 Reactions	None known.
	Automation	
	Automation	

	100 mM dNTP Mix (25 mM each dNTP) SureSelect Fast Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.4% 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.
result in classification	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 Low Input Index Bulk Set 2 A01-H12	None known.
	SSEL XT HS and XT Low Input Custom Capture Library	None known.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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	Mixture

Section 3. Composition/information on ingredients

Primer Mix	
SureSelect XT Low Input	Mixture
Index Bulk Set 2 A01-H12	
SSEL XT HS and XT Low	Mixture
Input Custom Capture Library	
SSel XT Low Input Human	Mixture
All Exon V7, 96 Reactions	
Automation	

Ingredient name	% (w/w)	CAS number
End Repair-A Tailing Enzyme Mix Glycerol	30 - 60	56-81-5
End Repair-A Tailing Buffer Potassium chloride	1 - 5	7447-40-7
T4 DNA Ligase Glycerol	30 - 60	56-81-5
Ligation Buffer Polyethylene glycol Glycerol	10 - 30 10 - 30	25322-68-3 56-81-5
Herculase II Fusion DNA Polymerase Glycerol	30 - 60	56-81-5
5X Herculase II Reaction Buffer Trometamol Ammonium sulphate Hexadecan-1-ol, ethoxylated	1 - 5 0.5 - 1.5 0.1 - 1	77-86-1 7783-20-2 9004-95-9
SureSelect Binding Buffer Sodium chloride	3 - 7	7647-14-5
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	<0.1	151-21-3
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	<0.1	151-21-3
SureSelect RNase Block Glycerol	30 - 60	56-81-5
SSEL XT HS and XT Low Input Custom Capture Library Glycerol	1 - 5	56-81-5

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

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

Description of necessary fir	<u>'st aid measures</u>	
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,
	End Repair-A Tailing Buffer	get medical attention. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	T4 DNA Ligase	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue
	Ligation Buffer	to rinse for at least 10 minutes. If irritation persists, get medical attention. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue
	Adaptor Oligo Mix	to rinse for at least 10 minutes. If irritation persists, get medical attention. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	Forward Primer	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	100 mM dNTP Mix (25 mM each dNTP)	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	Herculase II Fusion DNA Polymerase	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists,
	5X Herculase II Reaction Buffer	get medical attention. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	SureSelect Binding Buffer	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. 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
Date of issue/Date of revision	: 04/19/2022 Date of previous is	ssue : 03/04/2022 Version : 3.1 9/80

	SureSelect RNase Block	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. 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 Low Input Index Bulk Set 2 A01-H12	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 and XT Low Input Custom Capture Library	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 Low Input Human All Exon V7, 96 Reactions Automation	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation :	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 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.
	T4 DNA Ligase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such
	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

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	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	Remove victim to fresh air and keep at rest in a
each dNTP)	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	Remove victim to fresh air and keep at rest in a
Polymerase	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	Remove victim to fresh air and keep at rest in a
Buffer	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 Binding Buffer	Remove victim to fresh air and keep at rest in a
	position comfortable for breathing. Get medical
	attention if symptoms occur.
SureSelect Wash Buffer 1	Remove victim to fresh air and keep at rest in a
	position comfortable for breathing. Get medical
SureSelect Wash Buffer 2	attention if symptoms occur.
SureSelect Wash Buller 2	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	Remove victim to fresh air and keep at rest in a
Low Input Blocker Mix	position comfortable for breathing. Get medical
Low input blocker with	attention if symptoms occur.
SureSelect Fast	Remove victim to fresh air and keep at rest in a
Hybridization Buffer	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	Remove victim to fresh air and keep at rest in a
Sureselect Fust-Capture	Remove vicum to near an and keep at lest if a

	Primer Mix	position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SSEL XT HS and XT Low Input Custom Capture Library	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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
	End Repair-A Tailing Buffer	before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	T4 DNA Ligase	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	Ligation Buffer	medical attention if symptoms occur. Wash clothing 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	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	100 mM dNTP Mix (25 mM each dNTP)	medical attention if symptoms occur. 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 medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	5X Herculase II Reaction Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Binding Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect XT HS and XT Low Input Blocker Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Fast Hybridization Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	SureSelect RNase Block	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing
	. 04/10/2022 D oto of provious is	

	SureSelect Post-Capture Primer 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.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SSEL XT HS and XT Low Input Custom Capture Library	Flush contaminated skin with plenty of water.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion :	End Repair-A Tailing Enzyme Mix	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.
	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 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. 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 personnel. Get medical attention if symptoms occur. Yang Mark (25 mM 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. 100 mM dNTP Mix (25 mM each dNTP) Get medical attention if symptoms occur. 100 mM dNTP Mix (25 mM each dNTP) Get medical attention if symptoms occur. 100 mM dNTP Mix (25 mM each dNTP) Get medical attention if symptoms occur. 100 mM dNTP Mix (25 mM each dNTP) Get medical attention if symptoms occur. 100 mM dNTP Mix (25 mM each dNTP) Get medical attention if symptoms occur. 100 mM dNTP Mix (25 mM each dNTP) Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person is conscious. give small quantities of water to drink. Stop if the exposed person feels sick as vomiting unless directed to do so by medical personnel. If vomiting oncer. 5X Herculase II Reaction Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. SureSelect Wash Buffer 1 Wash out mouth with water.	-		
Forward PrimerWash 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 each dNTP)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.Herculase II Fusion DNA PolymeraseHimaterial 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 occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs, the head should be kept lows so that vomiting occurs is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.5X Herculase II Reaction BufferWash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.SureSelect Wash Buffer 1Wash out mouth with water. If material has be		Adaptor Oligo Mix	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
 100 mM dNTP Mix (25 mM each dNTP) Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove dentures if any. If material has been swallowed and 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 give 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 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. SX Herculase II Reaction Buffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect XT HS and XT Low Input Blocker Mix SureSelect T HS and XT Low Input Blocker Mix SureSelect T HS and XT Low Input Blocker Mix SureSelect RNase Block SureSelect RNase Block 	ļ	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
Herculase II Fusion DNA PolymeraseWash 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 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 BufferWash 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 			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
 5X Herculase II Reaction Buffer Suffer SureSelect Binding Buffer SureSelect Wash Buffer 1 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix SureSelect XT HS and XT SureSelect Fast Hybridization Buffer 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,
SureSelect Binding BufferWash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.SureSelect Wash Buffer 1Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.SureSelect Wash Buffer 2Wash 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 MixWash 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 BufferWash 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 BufferWash 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 BufferWash out mouth with water. If material has be			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
SureSelect Wash Buffer 1Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.SureSelect XT HS and XT 	:	SureSelect Binding Buffer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical
SureSelect Wash Buffer 2Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. 	:	SureSelect Wash Buffer 1	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical
Low Input Blocker Mix 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 RNase Block	:	SureSelect Wash Buffer 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical
Hybridization Bufferswallowed 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. Remove dentures if any.	I	Low Input Blocker 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.
	I	Hybridization 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.
			-

	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,
SureSelect Post-Capture Primer Mix	belt or waistband. 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
SureSelect XT Low Input Index Bulk Set 2 A01-H12	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
SSEL XT HS and XT Low Input Custom Capture Library	personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been
SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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/e	ffects, acute and delayed	
Potential acute health effect	<u>ts</u>	
Eye contact	: End Repair-A Tailing Enzyme Mix	Causes eye irritation.
	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	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.
	SureSelect RNase Block	Causes eye irritation.
	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
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	measures	
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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	No known significant effects or critical hazards.
	SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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.
	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	No known significant effects or critical hazards.

		No known significant effects or critical hazards.
	Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
		No known significant effects or critical hazards.
Ingestion	: 욘바안Rețian-A Tailing Enzyme Mix	No known significant effects or critical hazards.
		No known significant effects or critical hazards.
		No known significant effects or critical hazards.
		No known significant effects or critical hazards.
		No known significant effects or critical hazards.
		No known significant effects or critical hazards. No known significant effects or critical hazards.
	,	No known significant effects or critical hazards.
	Buffer	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.
	Low Input Blocker Mix	No known significant effects or critical hazards.
	Hybridization Buffer	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.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No known significant effects or critical hazards.
<u>Over-exposure signs/</u>	<u>symptoms</u>	
Eye contact	: End Repair-A Tailing Enzyme Mix	Adverse symptoms may include the following:
		irritation
		watering
		redness
	T4 DNA Ligase	No specific data. Adverse symptoms may include the following: irritation watering
		redness Adverse symptoms may include the following:
		irritation watering
		redness
		No specific data. No specific data.
		No specific data.
	,	Adverse symptoms may include the following:
	-	irritation
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		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 Low Input Index Bulk Set 2 A01-H12	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	SSel XT Low Input Human	No specific data.
	All Exon V7, 96 Reactions	
	Automation	
Inhalation :	End Repair-A Tailing	No aposifio data
initialation .	Enzyme Mix	No specific data.
	•	No sposific 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	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	Ne su sifis dete
	SureSelect XT Low Input	No specific data.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	No specific data.
	Input Custom Capture Library	
	SSel XT Low Input Human	No specific data.
	All Exon V7, 96 Reactions	
	Automation	

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	-	
	SureSelect XT HS and XT	No specific data.	
	Low Input Blocker Mix	No specific data.	
	SureSelect Fast Hybridization Buffer	No specific data.	
	SureSelect RNase Block	No specific data.	
	SureSelect Post-Capture Primer Mix	No specific data.	
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.	
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.	
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No specific data.	
Investion		Ne enecifie data	
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 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.	
		no specific uata.	
	Hybridization Buffer SureSelect RNase Block	No specific data.	
		-	
	SureSelect Post-Capture Primer Mix	No specific data.	
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.	
	SSEL XT HS and XT Low	No specific data.	
	Input Custom Capture Library		
	SSel XT Low Input Human	No specific data.	
	All Exon V7, 96 Reactions		
	Automation		
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Indication of immediate medic	al attention and special treatm	<u>nent needed, if necessary</u>
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 ingested or inhaled.
	100 mM dNTP Mix (25 mM each dNTP)	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	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	5X Herculase II Reaction 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.
	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 Hybridization 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.
	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 Low Input Index Bulk Set 2 A01-H12	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SSEL XT HS and XT Low Input Custom Capture Library	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been

		ingested or inhaled.
	SSel XT Low Input Human All Exon V7, 96 Reactions	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been
Specific treatments :	EHPREDAIR-A Tailing	Nossiectift inballingent.
	Enzyme Mix End Repair-A Tailing Buffer	No aposific tractment
	T4 DNA Ligase	No specific treatment. 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	No specific treatment.
	each dNTP) Herculase II Fusion DNA	No specific treatment.
	Polymerase	
	5X Herculase II Reaction Buffer	No specific treatment.
	SureSelect Binding Buffer	No specific treatment.
	SureSelect Wash Buffer 1	No specific treatment.
	SureSelect Wash Buffer 2	No specific treatment.
	SureSelect XT HS and XT Low Input Blocker Mix	No specific treatment.
	SureSelect Fast	No specific treatment.
	Hybridization Buffer	•
	SureSelect RNase Block	No specific treatment.
	SureSelect Post-Capture Primer Mix	No specific treatment.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific treatment.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific treatment.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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 resuscitation.
	End Repair-A Tailing Buffer	No action shall be taken involving any personal risk or without suitable training.
	T4 DNA Ligase	No action shall be taken involving any personal risk or without suitable training. 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 the person providing aid to give mouth-to-mouth resuscitation.
	Adaptor Oligo Mix	No action shall be taken involving any personal risk or without suitable training.
	Forward Primer	No action shall be taken involving any personal risk or without suitable training.
	100 mM dNTP Mix (25 mM each dNTP)	No action shall be taken involving any personal risk or without suitable training.
	Herculase II Fusion DNA	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
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	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 Low Input	No action shall be taken involving any personal risk
Index Bulk Set 2 A01-H12	or without suitable training.
SSEL XT HS and XT Low	No action shall be taken involving any personal risk
Input Custom Capture Library	
SSel XT Low Input Human	No action shall be taken involving any personal risk
All Exon V7, 96 Reactions	or without suitable training.
Automation	

See toxicological information (Section 11)

Extinguishing media		
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 lÍ 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.
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	ing measures	
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Use an extinguishing agent suitable for the surrounding fire.
	SSEL XT HS and XT Low	Use an extinguishing agent suitable for the
	Input Custom Capture Library	
	SSel XT Low Input Human	Use an extinguishing agent suitable for the
	All Exon V7, 96 Reactions Automation	surrounding fire.
Unsuitable extinguishing : media	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	None known.
	each dNTP) Herculase II Fusion DNA Polymerase	None known.
	5X Herculase II Reaction	None known.
	Buffer	Nie wegingen und
	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	None known.
	Hybridization Buffer	
	SureSelect RNase Block	None known.
	SureSelect Post-Capture Primer Mix	None known.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	None known.
	SSEL XT HS and XT Low	None known.
	Input Custom Capture Library SSel XT Low Input Human	None known.
	All Exon V7, 96 Reactions	None known.
	Automation	
Specific hazards arising :	End Repair-A Tailing	In a fire or if heated, a pressure increase will occur
from the chemical	Enzyme Mix	and the container may burst.
	End Repair-A Tailing Buffer	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	In a fire or if heated, a pressure increase will occur
	each dNTP)	and the container may burst.
	Herculase II Fusion DNA	In a fire or if heated, a pressure increase will occur
	Polymerase	and the container may burst.
	5X Herculase II Reaction	In a fire or if heated, a pressure increase will occur
	Buffer	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

	SureSelect Wash Buffer 2	and the container may burst. 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	and the container may burst. 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	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	In a fire or if heated, a pressure increase will occur and the container may burst.
	SSEL XT HS and XT Low	In a fire or if heated, a pressure increase will occur
	Input Custom Capture Library SSel XT Low Input Human All Exon V7, 96 Reactions Automation	and the container may burst. 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
		halogenated compounds metal oxide/oxides
	T4 DNA Ligase	Decomposition products may include the following
	Ŭ	materials:
		carbon dioxide carbon monoxide
	Ligation Buffer	Decomposition products may include the following materials:
		carbon dioxide
	Adaptor Oligo Mix	carbon monoxide No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM each dNTP)	Decomposition products may include the following materials:
		carbon dioxide
		carbon monoxide nitrogen oxides
		phosphorus oxides
	Herculase II Fusion DNA Polymerase	Decomposition products may include the following materials:
	r olymoldoc	carbon dioxide
		carbon monoxide
	5X Herculase II Reaction Buffer	Decomposition products may include the following materials:
	Buildi	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

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	SureSelect Wash Buffer 2 SureSelect XT HS and XT Low Input Blocker Mix	No specific data. No specific data. No specific data.
	SureSelect Fast Hybridization Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
	SureSelect RNase Block	metal oxide/oxides Decomposition products may include the following materials: carbon dioxide
	SureSelect Post-Capture Primer Mix	carbon monoxide No specific data.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No specific data.
Special protective actions for fire-fighters	: End Repair-A Tailing Enzyme 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.
	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 action shall be taken involving any personal risk or without suitable training.
	Ligation 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.
	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 each dNTP)	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.
	Herculase II Fusion DNA Polymerase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	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 Low Input Blocker Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureSelect Fast Hybridization 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 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 Primer Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	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.
	SSEL XT HS and XT Low Input Custom Capture Library	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.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	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 pressure mode.
	Ligation Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Adaptor Oligo Mix	Fire-fighters should wear appropriate protective
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	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	Fire-fighters should wear appropriate protective
each dNTP)	equipment and self-contained breathing apparatus
,	(SCBA) with a full face-piece operated in positive
	pressure mode.
Herculase II Fusion DNA	Fire-fighters should wear appropriate protective
Polymerase	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	pressure mode.
5X Herculase II Reaction	Fire-fighters should wear appropriate protective
Buffer	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
	pressure mode.
SureSelect Wash Buffer 2	Fire-fighters should wear appropriate protective
	equipment and self-contained breathing apparatus
	(SCBA) with a full face-piece operated in positive
	pressure mode.
SureSelect XT HS and XT	Fire-fighters should wear appropriate protective
Low Input Blocker Mix	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	pressure mode.
SureSelect Fast	Fire-fighters should wear appropriate protective
Hybridization Buffer	equipment and self-contained breathing apparatus
,	(SCBA) with a full face-piece operated in positive
	pressure mode.
SureSelect RNase Block	Fire-fighters should wear appropriate protective
	equipment and self-contained breathing apparatus
	(SCBA) with a full face-piece operated in positive
SureSelect Post-Capture	pressure mode.
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 Low Input	Fire-fighters should wear appropriate protective
Index Bulk Set 2 A01-H12	equipment and self-contained breathing apparatus
	(SCBA) with a full face-piece operated in positive
	pressure mode.
SSEL XT HS and XT Low	Fire-fighters should wear appropriate protective
input Custom Capture Library	equipment and self-contained breathing apparatus
	(SCBA) with a full face-piece operated in positive pressure mode.
SSel XT Low Input Human	Fire-fighters should wear appropriate protective
All Exon V7, 96 Reactions	equipment and self-contained breathing apparatus
Automation	(SCBA) with a full face-piece operated in positive
	pressure mode.

For non-emergency	ective equipment and 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. Put on appropriate personal protective equipment.
	Ligation 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. Avoid breathing vapor or
		mist. Provide adequate ventilation. Wear
		appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	Adaptor Oligo Mix	No action shall be taken involving any personal risk
	1 0	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.
	100 mM dNTP Mix (25 mM	No action shall be taken involving any personal risk
	each dNTP)	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.
	Herculase II Fusion DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding
	, aynoldoo	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.
	5X Herculase II Reaction Buffer	No action shall be taken involving any personal risk
	Dullel	or without suitable training. Evacuate surrounding

	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilled material. Put on appropriate personal
	protective equipment.
SureSelect Binding Buffer	No action shall be taken involving any personal risk
-	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilled material. Put on appropriate personal
	protective equipment.
SureSelect Wash Buffer 1	No action shall be taken involving any personal risk
	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilled material. Put on appropriate personal
	protective equipment.
SureSelect Wash Buffer 2	No action shall be taken involving any personal risk
	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilled material. Put on appropriate personal
SureSelect XT HS and XT	protective equipment.
	No action shall be taken involving any personal risk
Low Input Blocker Mix	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	No action shall be taken involving any personal risk
Hybridization Buffer	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
	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.
	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
SureSelect Post-Capture	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk
SureSelect Post-Capture Primer Mix	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding
	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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
	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding
	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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
	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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
	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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
Primer Mix	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding
Primer Mix SureSelect XT Low Input	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. No action shall be taken involving any personal risk
Primer Mix SureSelect XT Low Input	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding
Primer Mix SureSelect XT Low Input	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected
Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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
Primer Mix SureSelect XT Low Input	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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 through spilled material. Put on appropriate personal
Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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.
Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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. No action shall be taken involving any personal risk
Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas surrounding any personal risk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding
Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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. 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. 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
Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. 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. 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. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected

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	SSel XT Low Input Human	No action shall be taken involving any personal risk
	All Exon V7, 96 Reactions Automation	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 suitable and unsuitable materials. See also the
	Adaptor Oligo Mix	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
	Herculase II Fusion DNA Polymerase	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
	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
	SureSelect Wash Buffer 2	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 XT HS and XT Low Input Blocker Mix	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 Fast Hybridization Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on
Date of issue/Date of revision	: 04/19/2022 Date of previous i	

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			Avoid dispersal of spilled material and runoff and
	Date of issue/Date of revision	•	•

	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
5X Herculase II Reaction Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect Binding Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Wash Buffer 1	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect Wash Buffer 2	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT HS and XT Low Input Blocker Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect Fast Hybridization 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,
SureSelect RNase Block	soil or air). 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 Primer Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect XT Low Input Index Bulk Set 2 A01-H12	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).
SSEL XT HS and XT Low Input Custom Capture Library	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).
SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Methods for cleaning up :	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 disposal contractor.

SureSelect Wash Buffer 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Wash Buffer 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect XT HS and XT Low Input Blocker Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect Fast Hybridization 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 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 disposal contractor.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	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.
SSEL XT HS and XT Low Input Custom Capture Library	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.
SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

Precautions for safe handling		
Protective measures	: 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 reuse container.
	Ligation Buffer	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.
	Adaptor Oligo Mix	Put on appropriate personal protective equipment (see Section 8).
	Forward Primer	Put on appropriate personal protective equipment
	100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase	(see Section 8). Put on appropriate personal protective equipment (see Section 8). 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.
	5X Herculase II Reaction	Put on appropriate personal protective equipment
	Buffer SureSelect Binding Buffer	(see Section 8). Put on appropriate personal protective equipment (see Section 8).
	SureSelect Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).
	SureSelect XT HS and XT Low Input Blocker Mix SureSelect Fast Hybridization Buffer SureSelect RNase Block	 Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment (see Section 8). 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

Section 7. Handling and storage

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		retain product residue and can be hazardous. Do not reuse container.
	SureSelect Post-Capture Primer Mix	Put on appropriate personal protective equipment (see Section 8).
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Put on appropriate personal protective equipment (see Section 8).
	SSEL XT HS and XT Low Input Custom Capture Library SSel XT Low Input Human	Put on appropriate personal protective equipment
		Put on appropriate personal protective equipment
	All Exon V7, 96 Reactions Automation	(see Section 8).
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 additional information on hygiene measures.
	T4 DNA Ligase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for
	Ligation 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 contaminated clothing and protective equipment before entering eating areas. See also Section 8 for
	Adaptor Oligo Mix	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.
	Forward Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	100 mM dNTP Mix (25 mM each dNTP)	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.

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	Herculase II Fusion DNA Polymerase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	5X Herculase II Reaction 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 Binding Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SureSelect Wash Buffer 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SureSelect Wash Buffer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SureSelect 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

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	SureSelect XT Low Input Index Bulk Set 2 A01-H12	contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SSEL XT HS and XT Low Input Custom Capture Library	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 Low Input Human All Exon V7, 96 Reactions Automation	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, : including any incompatibilities	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
	T4 DNA Ligase	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
	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 incompatible materials before handling or use.
Adaptor Oligo Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for
Forward Primer	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.
100 mM dNTP Mix (25 mM each dNTP)	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

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SureSelect Binding Buffer	prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened
SureSelect Wash Buffer 1	must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to
SureSelect Wash Buffer 2	prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and
	drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect 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
SureSelect Fast Hybridization Buffer	containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for
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 incompatible materials before bendling or use
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 containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect XT Low Input Index Bulk Set 2 A01-H12	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.
SSEL XT HS and XT Low Input Custom Capture Library	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.
SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
End Repair-A Tailing Enzyme Mix Glycerol	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 7/2019). 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, 1/2021). 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). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 7/2019). 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, 1/2021). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist
Ligation Buffer Polyethylene glycol Glycerol	OARS WEEL (United States, 1/2021). TWA: 10 mg/m ³ 8 hours. CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 7/2019). 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, 1/2021). 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). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 7/2019). TWAEV: 10 mg/m ³ 8 hours. Form: mist CA Saskatchewan Provincial (Canada,

Section 8. Exposure controls/personal protection

	 7/2013). STEL: 20 mg/m³ 15 minutes. Form: mist TWA: 10 mg/m³ 8 hours. Form: mist CA British Columbia Provincial (Canada, 1/2021). TWA: 3 mg/m³ 8 hours. Form: respirable mist TWA: 10 mg/m³ 8 hours. Form: total mist
SureSelect RNase Block	
Glycerol	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 7/2019). 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, 1/2021). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist
SSEL XT HS and XT Low Input Custom Capture Library Glycerol	CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 10 mg/m ³ 8 hours. Form: Mist CA Quebec Provincial (Canada, 7/2019). 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, 1/2021). TWA: 3 mg/m ³ 8 hours. Form: respirable mist TWA: 10 mg/m ³ 8 hours. Form: total mist

Appropriate engineering controls	:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.			
Environmental exposure controls	:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.			
Individual protection measures					
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before			

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.

Section 8. Exposure controls/personal protection

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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	Liquid.
	Enzyme Mix	
	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 each dNTP)	Liquid.
	Herculase II Fusion DNA Polymerase	Liquid.
	5X Herculase II Reaction Buffer	Liquid.
	SureSelect Binding Buffer	Liquid.
	SureSelect Wash Buffer 1	Liquid.
	SureSelect Wash Buffer 2	Liquid.
	SureSelect XT HS and XT Low Input Blocker Mix	Liquid.
	SureSelect Fast Hybridization Buffer	Liquid.
	SureSelect RNase Block	Liquid.
	SureSelect Post-Capture Primer Mix	Liquid.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Liquid.
	SSEL XT HS and XT Low Input Custom Capture Library	Liquid. ,
	input Custom Capture Library	

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	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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 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	N1.4
	SureSelect Fast	Not available.
	Hybridization Buffer SureSelect RNase Block	Not available.
	SureSelect Post-Capture	Not available.
	Primer Mix	
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not available.
Odor :	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 Low Input Index Bulk Set 2 A01-H12	Not available.
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	SSEL XT HS and XT Low Input Custom Capture Library	
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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 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 Low Input Index Bulk Set 2 A01-H12	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not available.
рH	End Repair-A Tailing Enzyme Mix	6.5
	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 each dNTP)	7.5
	Herculase II Fusion DNA Polymerase	8.2
	5X Herculase II Reaction Buffer	9.5 to 10.5
	SureSelect Binding Buffer	7.5
	SureSelect Wash Buffer 1	7.5
	SureSelect Wash Buffer 2	7
	SureSelect XT HS and XT Low Input Blocker Mix	7.5
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block	7.6
	SureSelect Post-Capture Primer Mix	7.5
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	SureSelect XT Low Input Index Bulk Set 2 A01-H12	7.5
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not available.
Melting point/freezing point :	End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer T4 DNA Ligase	0°C (32°F) Not available.
	Ligation Buffer	Not available.
	Adaptor Oligo Mix	0°C (32°F)
	Forward Primer	0°C (32°F)
	100 mM dNTP Mix (25 mM	Not àvailable.
	each dNTP) Herculase II Fusion DNA	Not available.
	Polymerase 5X Herculase II Reaction	Net available
	Buffer	Not available.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	0°C (32°F)
	SureSelect Wash Buffer 2	0°C (32°F)
	SureSelect XT HS and XT Low Input Blocker Mix	0°C (32°F)
	SureSelect Fast Hybridization Buffer	Not available.
	SureSelect RNase Block SureSelect Post-Capture	Not available. 0°C (32°F)
	Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12	0°C (32°F)
	SSEL XT HS and XT Low Input Custom Capture Library	0°C (32°F)
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	0°C (32°F)
Boiling point, initial boiling : point, and boiling range	End Repair-A Tailing Enzyme Mix	Not available.
	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 mM dNTP Mix (25 mM	100°C (212°F) Not available.
	each dNTP)	
	Herculase II Fusion DNA Polymerase	Not available.
	5X Herculase II Reaction	Not available.
	Buffer	Nist sus listic
	SureSelect Binding Buffer SureSelect Wash Buffer 1	Not available. 100°C (212°F)
	SureSelect Wash Buffer 2	100°C (212°F)
	SureSelect XT HS and XT	100°C (212°F)
	Low Input Blocker Mix	
	SureSelect Fast	Not available.
	Hybridization Buffer SureSelect RNase Block	Not available.
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	SureSelect Post-Cap Primer Mix	oture	100°C (2	212°F)			
	SureSelect XT Low I Index Bulk Set 2 A0		100°C (2	212°F)			
	SSEL XT HS and XT Input Custom Captu SSel XT Low Input H	Г Low re Librar luman	100°C (ź y 100°C (ź	,			
	All Exon V7, 96 Rea	ctions					
Flash point	:		Closed	сир		Open o	cup
	Ingredient name	°C	°F	Method	°C	°F	Method
	End Repair-A Tailing Enzyme Mix						
	(R*,R*) -1,4-Dimercaptobutane- 2,3-diol	>110	>230				
	Glycerol				177	350.6	
	End Repair-A Tailing Buffer						
	(R*,R*) -1,4-Dimercaptobutane- 2,3-diol	>110	>230				
	T4 DNA Ligase						
	(R*,R*) -1,4-Dimercaptobutane- 2,3-diol	>110	>230				
	Glycerol				177	350.6	
	Ligation Buffer						
	(R*,R*) -1,4-Dimercaptobutane- 2,3-diol	>110	>230				
	Polyethylene glycol	171 to 235	339.8 to 455		199 to 238	390.2 to 460.4	
	Adaptor Oligo Mix						
	Edetic acid	>100	>212	DIN 51758			
	Forward Primer						
	Edetic acid	>100	>212	DIN 51758			
	100 mM dNTP Mix (25 mM each dNTP)						
	Edetic acid	>100	>212	DIN 51758			
	Herculase II Fusion DNA Polymerase						
	Edetic acid	>100	>212	DIN 51758			
	(R*,R*) -1,4-Dimercaptobutane-	>110	>230				

2,3-diolImage: select Binding BufferEdetic acid>100>212DIN 51758SureSelect Wash Buffer 1Image: select Wash Citric acid, trisodium salt, and the select wash Buffer 2>100>212SureSelect Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2SureSelect Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2SureSelect XT HS and XT Low Input Blocker MixImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2SureSelect XT HS and XT Low Input Blocker MixImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2SureSelect RNase BlockImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2SureSelect RNase BlockImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2GiverolImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2SureSelect XT HS and MixImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2SureSelect RNase BlockImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2GiverolImage: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2Image: select Wash Buffer 2GiverolImage:							
BufferImage: select with the select acid>100>212DIN 51758SureSelect Wash Buffer 1>100>212DIN 51758Citric acid, trisodium salt, >100>212Image: select with the select	loit						
SureSelect Wash Buffer 1>100>212Citric acid, trisodium salt, dihydrate>100>212SureSelect Wash Buffer 2>100>212Citric acid, trisodium salt, dihydrate>100>212SureSelect XT HS and XT Low Input Blocker Mix>100>212Edetic acid>100>212DIN 51758SureSelect RNase Block (R*,R*) -1,4-Dimercaptobutane- 2,3-diol>110>230							
Buffer 1Image: Citric acid, trisodium salt, or product of the sector wash buffer 2Image: Citric acid, trisodium salt, or product of the sector wash buffer 2Citric acid, trisodium salt, or product of the sector of the sector wash buffer 2Image: Product of the sector wash buffer 2Citric acid, trisodium salt, or product of the sector of the sec	ic acid >	>100	>212	DIN 51758			
dihydrateImage: SureSelect Wash Buffer 2Citric acid, trisodium salt, dihydrate>100>212SureSelect XT HS and XT Low Input Blocker Mix>100>212Edetic acid>100>212DIN 51758SureSelect RNase Block>110>230							
Buffer 2Citric acid, trisodium salt, dihydrate>100>212SureSelect XT HS and XT Low Input Blocker Mix>100>212Edetic acid>100>212DIN 51758SureSelect RNase Block>110>230(R*,R*) -1,4-Dimercaptobutane- 2,3-diol>110>230		>100	>212				
dihydrateImage: Select XT HS and XT Low Input Blocker MixImage: Select XT HS and XT Low Input Blocker >100>212DIN 51758Edetic acid>100>212DIN 51758SureSelect RNase Block (R*,R*) -1,4-Dimercaptobutane- 2,3-diol>110>230							
XT Low Input Blocker Mix>100>212DIN 51758Edetic acid>100>212DIN 51758SureSelect RNase Block>110>230(R*,R*) -1,4-Dimercaptobutane- 2,3-diol>110>200>230	c acid, trisodium salt, > drate	>100	>212				
SureSelect RNase Block (R*,R*) -1,4-Dimercaptobutane- 2,3-diol							
Block (R*,R*) -1,4-Dimercaptobutane- 2,3-diol >110 >230	ic acid >	>100	>212	DIN 51758			
-1,4-Dimercaptobutane- 2,3-diol							
Glycerol 177 350.6	Dimercaptobutane-	>110	>230				
	erol				177	350.6	
SureSelect Post- Capture Primer Mix							
Edetic acid >100 >212 DIN 51758	ic acid >	>100	>212	DIN 51758			
SureSelect XT Low Input Index Bulk Set 2 A01-H12	it Index Bulk Set 2						
Edetic acid >100 >212 DIN 51758	ic acid >	>100	>212	DIN 51758			
SSEL XT HS and XT Low Input Custom Capture Library	Input Custom						
Edetic acid >100 >212 DIN 51758	ic acid >	>100	>212	DIN 51758			
(R*,R*) -1,4-Dimercaptobutane- 2,3-diol >110 >230	Dimercaptobutane-	>110	>230				
SSel XT Low Input Human All Exon V7, 96 Reactions Automation	nan All Exon V7, 96						
Edetic acid >100 >212 DIN 51758	ic acid >	>100	>212	DIN 51758			
(R*,R*) -1,4-Dimercaptobutane- 2,3-diol >110 >230	Dimercaptobutane-	>110	>230				

characteristics			
Evaporation rate	:	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	
		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	Not available.
		Hybridization Buffer	
		SureSelect RNase Block	Not available.
		SureSelect Post-Capture Primer Mix	Not available.
		SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not available.
		SSEL XT HS and XT Low Input Custom Capture Library	Not available.
		SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not available.
Flammability	:	End Repair-A Tailing Enzyme Mix	Not applicable.
		•	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 Low Input Blocker Mix	Not applicable.
		SureSelect Fast Hybridization Buffer	Not applicable.
		SureSelect RNase Block	Not applicable.
		SureSelect Post-Capture Primer Mix	Not applicable.
		SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not applicable.
		SSEL XT HS and XT Low Input Custom Capture Library	Not applicable.
		SSel XT Low Input Human	Not applicable.

	All Exon V7, 96 Read	ctions					
Lower and upper explosion :	End Repair-A Tailing	J	Not avail	able.			
limit/flammability limit	Enzyme Mix End Repair-A Tailing	Buffor	Not avail	able			
	T4 DNA Ligase	Juliei	Not avail				
	Ligation Buffer		Not avail				
	Adaptor Oligo Mix		Not avail				
	Forward Primer		Not avail				
	100 mM dNTP Mix (2	25 mM	Not avail				
	each dNTP)						
	Herculase II Fusion I Polymerase	DNA	Not avail	able.			
	5X Herculase II Read Buffer	ction	Not avail	able.			
	SureSelect Binding E	Buffer	Not avail	able.			
	SureSelect Wash Bu		Not avail	able.			
	SureSelect Wash Bu	uffer 2	Not avail	able.			
	SureSelect XT HS a	nd XT	Not avail	able.			
	Low Input Blocker M	ix					
	SureSelect Fast Hybridization Buffer		Not avail	able.			
	SureSelect RNase B		Not avail				
	SureSelect Post-Cap Primer Mix	oture	Not avail	able.			
	SureSelect XT Low I Index Bulk Set 2 A07		Not avail	able.			
	SSEL XT HS and XT		Not avail	able.			
	Input Custom Captur						
	SSel XT Low Input H		Not avail	able.			
	All Exon V7, 96 Read	ctions					
Vapor pressure :	Automation		r Pressu	re at 20°C	Vano	r pressu	re at 50°C
Vapor pressure :	Automation	Vapo	1	re at 20°C	-	-	re at 50°C
Vapor pressure :			r Pressu kPa	re at 20°C Method	Vapo mm Hg	r pressu kPa	re at 50°C Method
Vapor pressure :	Automation	Vapo	1		mm	-	1
Vapor pressure :	Automation	Vapo mm Hg	kPa		mm Hg	kPa	1
Vapor pressure :	Automation Ingredient name Find Repair-A Tailing Enzyme Mix water	Vapo mm Hg 23.8	kPa 3.2		mm Hg 92.258	kPa 12.3	1
Vapor pressure :	Automation	Vapo mm Hg	kPa 3.2		mm Hg	kPa 12.3	1
Vapor pressure :	Automation Ingredient name Ingredient name Adepair-A Tailing Enzyme Mix water Adenosine 5'- (tetrahydrogen triphosphate), disodium	Vapo mm Hg 23.8	kPa 3.2		mm Hg 92.258	kPa 12.3	1
Vapor pressure :	Automation Ingredient name Find Repair-A Tailing Enzyme Mix water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt End Repair-A Tailing	Vapo mm Hg 23.8	kPa 3.2		mm Hg 92.258	kPa 12.3	1
Vapor pressure :	Automation Ingredient name Find Repair-A Tailing Enzyme Mix water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt End Repair-A Tailing Buffer water	Vapo mm Hg 23.8 <0.00075006	kPa 3.2 <0.0001 3.2		mm Hg 92.258 <0.00075006	kPa 12.3 <0.0001	1
Vapor pressure :	Automation Ingredient name Find Repair-A Tailing Enzyme Mix water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt End Repair-A Tailing Buffer	Vapo mm Hg 23.8 <0.00075006	kPa 3.2 <0.0001 3.2		mm Hg 92.258 <0.00075006	kPa 12.3 <0.0001	1
Vapor pressure :	Automation Ingredient name Find Repair-A Tailing Enzyme Mix water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt End Repair-A Tailing Buffer water Adenosine 5'- (tetrahydrogen triphosphate), disodium	Vapo mm Hg 23.8 <0.00075006	kPa 3.2 <0.0001 3.2		mm Hg 92.258 <0.00075006	kPa 12.3 <0.0001	1
Vapor pressure :	Automation Ingredient name Find Repair-A Tailing Enzyme Mix water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt End Repair-A Tailing Buffer water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt	Vapo mm Hg 23.8 <0.00075006	kPa 3.2 <0.0001 3.2		mm Hg 92.258 <0.00075006	kPa 12.3 <0.0001	1
Vapor pressure :	Automation Ingredient name Find Repair-A Tailing Enzyme Mix water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt End Repair-A Tailing Buffer water Adenosine 5'- (tetrahydrogen triphosphate), disodium salt T4 DNA Ligase	Vapo mm Hg 23.8 <0.00075006	kPa 3.2 <0.0001 3.2 <0.0001		mm Hg 92.258 <0.00075006	kPa 12.3 <0.0001 12.3 <0.0001	1

Ligation Buffer							
water	23.8	3.2		92.258	12.3		
Glycerol	0.000075	0.00001		0.0025	0.00033		
Adaptor Oligo Mix							
water	23.8	3.2		92.258	12.3		
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036		0.000007501	0.000001		
Forward Primer							
water	23.8	3.2		92.258	12.3		
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036		0.000007501	0.000001		
100 mM dNTP Mix (25 mM each dNTP)							
water	23.8	3.2		92.258	12.3		
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036		0.000007501	0.000001		
Herculase II Fusion DNA Polymerase							
water	23.8	3.2		92.258	12.3		
Glycerol	0.000075	0.00001		0.0025	0.00033		
5X Herculase II Reaction Buffer							
water	23.8	3.2		92.258	12.3		
Sulfuric acid, magnesium salt, hydrate (1:1:7)	<0.1	<0.013					
SureSelect Binding Buffer							
water	23.8	3.2		92.258	12.3		
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036		0.000007501	0.000001		
SureSelect Wash Buffer 1							
water	23.8	3.2		92.258	12.3		
Sodium dodecyl sulphate	≤0.0013501	≤0.00018					
SureSelect Wash Buffer 2							
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water	23.8	3.2	92.258	12.3	
Sodium dodecyl sulphate	≤0.0013501	≤0.00018			
SureSelect XT HS and XT Low Input Blocker Mix					
water	23.8	3.2	92.258	12.3	
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036	0.000007501	0.000001	
SureSelect Fast Hybridization Buffer					
water	23.8	3.2	92.258	12.3	
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036	0.000007501	0.000001	
SureSelect RNase Block					
water	23.8	3.2	92.258	12.3	
Glycerol	0.000075	0.00001	0.0025	0.00033	
SureSelect Post- Capture Primer Mix					
water	23.8	3.2	92.258	12.3	
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036	0.000007501	0.000001	
SureSelect XT Low Input Index Bulk Set 2 A01-H12					
water	23.8	3.2	92.258	12.3	
2-Amino-2- (hydroxymethyl)propane- 1,3-diol hydrochloride	0.000027	0.0000036	0.000007501	0.000001	
SSEL XT HS and XT Low Input Custom Capture Library					
water	23.8	3.2	92.258	12.3	
Glycerol	0.000075	0.00001	0.0025	0.00033	
SSel XT Low Input Human All Exon V7, 96 Reactions Automation					
water	23.8	3.2	92.258	12.3	
Glycerol	0.000075	0.00001	0.0025	0.00033	

characteristics		
Relative vapor density :	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 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	Not available.
	Hybridization Buffer	
	SureSelect RNase Block	Not available.
	SureSelect Post-Capture Primer Mix	Not available.
	SureSelect XT Low Input	Not available.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	Not available.
	Input Custom Capture Library SSel XT Low Input Human All Exon V7, 96 Reactions	Not available.
	Automation	
Relative density :	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	Natavailable
	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 Low Input	Not available.
	Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	Not available.
	Input Custom Capture Library	Not available.
	SSel XT Low Input Human	

	All Exon V7, 96 Reactions Automation	
Solubility	: End Repair-A Tailing Enzyme Mix	Easily soluble in the following materials: cold water and hot water.
	End Repair-A Tailing Buffer	Easily soluble in the following materials: cold water and hot water.
	T4 DNA Ligase	Easily soluble in the following materials: cold water
	Ligation Buffer	and hot water. Easily soluble in the following materials: cold water
	Adaptor Oligo Mix	and hot water. Easily soluble in the following materials: cold water
	Forward Primer	and hot water. Easily soluble in the following materials: cold water
	100 mM dNTP Mix (25 mM each dNTP)	and hot water. Easily soluble in the following materials: cold water and hot water.
	Herculase II Fusion DNA	Easily soluble in the following materials: cold water
	Polymerase 5X Herculase II Reaction	and hot water. Easily soluble in the following materials: cold water
	Buffer SureSelect Binding Buffer	and hot water. Easily soluble in the following materials: cold water
	SureSelect Wash Buffer 1	and hot water. Easily soluble in the following materials: cold water
	SureSelect Wash Buffer 2	and hot water. Easily soluble in the following materials: cold water
	SureSelect XT HS and XT	and hot water. Easily soluble in the following materials: cold water
	Low Input Blocker Mix SureSelect Fast	and hot water. Easily soluble in the following materials: cold water
	Hybridization Buffer SureSelect RNase Block	and hot water. Easily soluble in the following materials: cold water
	SureSelect Post-Capture	and hot water. Easily soluble in the following materials: cold water
	Primer Mix SureSelect XT Low Input	and hot water. Easily soluble in the following materials: cold water
	Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	and hot water. Easily soluble in the following materials: cold water
	Input Custom Capture Library SSel XT Low Input Human	Easily soluble in the following materials: cold water
	All Exon V7, 96 Reactions Automation	and hot water.
Partition coefficient: n- octanol/water	: 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 Forward Primer	Not applicable.
	100 mM dNTP Mix (25 mM	Not applicable. 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.
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	Low Input Blocker Mix SureSelect Fast Hybridization Buffer	Not applicable	9.			
	SureSelect RNase Block	SureSelect RNase Block Not applicable.				
		Not applicable).			
		Not applicable) .			
	Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	Not applicable).			
	Input Custom Capture Library					
	SSel XT Low Input Human All Exon V7, 96 Reactions	Not applicable	9.			
	Automation					
Auto-ignition temperature	: Ingredient name	°C	°F	Method		
	End Repair-A Tailing Enzyme Mix					
	Glycerol	370	698			
	T4 DNA Ligase					
	Glycerol	370	698			
	Ligation Buffer					
	Polyethylene glycol	360	680			
	Glycerol	370	698			
	Adaptor Oligo Mix					
	Edetic acid	>400	>752	VDI 2263		
	Forward Primer					
	Edetic acid	>400	>752	VDI 2263		
	100 mM dNTP Mix (25 mM each dNTP)					
	Edetic acid	>400	>752	VDI 2263		
	Herculase II Fusion DNA Polymerase					
	Glycerol	370	698			
	Edetic acid	>400	>752	VDI 2263		
	SureSelect Binding Buffer					
	Edetic acid	>400	>752	VDI 2263		
	SureSelect Wash Buffer 1					
	Sodium dodecyl sulphate	310.5	590.9	VDI 2263		
	SureSelect Wash Buffer 2					
	Sodium dodecyl sulphate	310.5	590.9	VDI 2263		
	SureSelect XT HS and XT Low					
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characteristics				
	Input Blocker Mix			
	Edetic acid	>400	>752	VDI 2263
	SureSelect RNase Block			
	Glycerol	370	698	
	4-(2-Hydroxyethyl)piperazin- 1-ylethanesulphonic acid	>400	>752	EU A.16
	SureSelect Post-Capture Primer M	ix		
	Edetic acid	>400	>752	VDI 2263
	SureSelect XT Low Input Index Bulk Set 2 A01-H12			
	Edetic acid	>400	>752	VDI 2263
	SSEL XT HS and XT Low Input Custom Capture Library			
	Glycerol	370	698	
	Edetic acid	>400	>752	VDI 2263
	SSel XT Low Input Human All Exor V7, 96 Reactions Automation	1		
	Glycerol	370	698	
	Edetic acid	>400	>752	VDI 2263
Decomposition temperature :	End Repair-A Tailing Enzyme Mix	Not available.		
	End Repair-A Tailing Buffer T4 DNA Ligase Ligation Buffer	Not available. Not available. 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 Low Input Index Bulk Set 2 A01-H12	Not available.		
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.		
	SSel XT Low Input Human All Exon V7, 96 Reactions	Not available.		
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	Automation	
Viscosity :	End Repair-A Tailing	Not available.
	Enzyme Mix	
	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 Low Input Index Bulk Set 2 A01-H12	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not available.
Particle characteristics		
	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 Low Input Blocker Mix	Not applicable.
	SureSelect Fast Hybridization Buffer	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Post-Capture Primer Mix	Not applicable.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not applicable.

Section 9. Physical and chemical properties and safety characteristics

SSEL XT HS and XT Low Input Custom Capture Library SSel XT Low Input Human All Exon V7, 96 Reactions Automation

Not applicable.

Not applicable.

Reactivity: End Repair-A Tailing Enzyme Mix End Repair-A Tailing BufferNo specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or	
End Repair-A Tailing BufferNo specific test data related to reactivity this product or its ingredients.T4 DNA LigaseNo specific test data related to reactivity this product or its ingredients.Ligation BufferNo specific test data related to reactivity this product or its ingredients.Adaptor Oligo MixNo specific test data related to reactivity this product or its ingredients.Adaptor Oligo MixNo specific test data related to reactivity this product or its ingredients.Forward PrimerNo specific test data related to reactivity this product or its ingredients.100 mM dNTP Mix (25 mM each dNTP)No specific test data related to reactivity this product or its ingredients.100 mM dNTP Mix (25 mM each dNTP)No specific test data related to reactivity this product or its ingredients.SureSelect Binding BufferNo specific test data related to reactivity this product or its ingredients.SureSelect XT HS and XT Low Input Blocker Mix SureSelect RNase BlockNo specific test data related to reactivity this product or its ingredients.SureSelect XT Low Input Low Input Blocker Mix SureSelect XT Low Input Low Input Custom Capture Library SSEL XT HS and XT Low Input Custom Capture Library SSEL XT HS and XT Low Input Custom Capture Library All Exon V7, 96 Reaction AutomationThe product is stable.Chemical stability* End Repair-A Tailing Enzyme Mix End Repair-A Tailing Buffer T4 DNA Ligase Ligation BufferThe product is stable. The product is stable.Chemical stability* End Repair-A Tailing Enzyme MixThe product is stable. The product is stable. <th>available for</th>	available for
T4 DNA Ligasethis product or its ingredients. No specific test data related to reactivity this product or its ingredients.Ligation BufferNo specific test data related to reactivity this product or its ingredients.Adaptor Oligo MixNo specific test data related to reactivity this product or its ingredients.Adaptor Oligo MixNo specific test data related to reactivity this product or its ingredients.100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA PolymeraseNo specific test data related to reactivity this product or its ingredients.100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA PolymeraseNo specific test data related to reactivity this product or its ingredients.SureSelect Wash Buffer 1 SureSelect XT HS and XT Low Input Blocker Mix SureSelect XT Low Input Index Bulk Set 2 XT Low Input Index Bulk Set 2 XT Low Input Index Bulk Set 2 XT Low Input Hybridization Buffer SureSelect XT HS and XT Low No specific test data related to reactivity this product or its ingredients.Chemical stabilityEnd Repair-A Tailing Enzyme Mix All Exon V7, 96 Reactions AutomationThe product is stable. The product is stable. The product is stable. The product is stable.	
T4 DNA Ligase No specific test data related to reactivity this product or its ingredients. Ligation Buffer No specific test data related to reactivity this product or its ingredients. Adaptor Oligo Mix No specific test data related to reactivity this product or its ingredients. Forward Primer No specific test data related to reactivity this product or its ingredients. 100 mM dNTP Mix (25 mM each dNTP) No specific test data related to reactivity this product or its ingredients. Herculase II Fusion DNA Herculase II Reaction Buffer No specific test data related to reactivity this product or its ingredients. SureSelect Wash Buffer 1 No specific test data related to reactivity this product or its ingredients. SureSelect XT HS and XT Low Input Hoose Confic test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. SureSelect RNase Block No specific test data related to reactivity this product or its ingredients. No specific test data related to reactivity this product or its ingredients. SureSelect XT HS and XT Low Input Huden Buffer 1 No specific test data related to reactivity this product or its ingredients. SureSelect RNase Block No specific test data related to reactivity this product or its ingredients. SureSelect Post-Capture Primer Mix No specific test data related to reactivity this product or its ingredients.	available for
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Date of issue/Date of revision : 04/19/2022 Date of previous issue : 03/04/2022 Version	: 3.1 59/

Section 10. Stability and reactivity

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	5X Herculase II Reaction Buffer	The product is stable.
	SureSelect Binding Buffer	The product is stable.
	SureSelect Wash Buffer 1	The product is stable.
	SureSelect Wash Buffer 2	The product is stable.
	SureSelect 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.
	Primer Mix	
	SureSelect XT Low Input	The product is stable.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	The product is stable.
	Input Custom Capture Library	
	SSel XT Low Input Human	The product is stable.
	All Exon V7, 96 Reactions	•
	Automation	
Possibility of hazardous	: End Repair-A Tailing	Under normal conditions of storage and use,
reactions	Enzyme Mix	hazardous reactions will not occur.
reactions	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,
	T P Bro (Elgado	hazardous reactions will not occur.
	Ligation Buffer	Under normal conditions of storage and use,
	Ligation Barron	hazardous reactions will not occur.
	Adaptor Oligo Mix	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Forward Primer	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	100 mM dNTP Mix (25 mM	Under normal conditions of storage and use,
	each dNTP)	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	hazardous reactions will not occur.
	SureSelect Binding Buffer	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	SureSelect Wash Buffer 1	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	SureSelect Wash Buffer 2	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	SureSelect 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 SureSelect RNase Block	hazardous reactions will not occur.
	Suleselect Rhase block	Under normal conditions of storage and use,
	SureSelect Post-Capture	hazardous reactions will not occur. Under normal conditions of storage and use,
	Primer Mix	hazardous reactions will not occur.
	SureSelect XT Low Input	Under normal conditions of storage and use,
	Index Bulk Set 2 A01-H12	hazardous reactions will not occur.
	SSEL XT HS and XT Low	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	SSel XT Low Input Human	Under normal conditions of storage and use,
	All Exon V7, 96 Reactions	hazardous reactions will not occur.
	Automation	

Section 10. Stability and reactivity

Section 10. Stabilit	y and reactivity	
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	No specific data.
	Forward Primer	No specific data.
	100 mM dNTP Mix (25 mM	No specific data.
	each dNTP)	
	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 Primer Mix	No specific data.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	SSel XT Low Input Human All Exon V7, 96 Reactions	No specific data.
Incompatible materials	: End Repair-A Tailing Enzyme Mix	May react or be incompatible with oxidizing materials.
	End Repair-A Tailing Buffer	May react or be incompatible with oxidizing materials.
	T4 DNA Ligase	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 100 mM dNTP Mix (25 mM	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
	each dNTP)	
	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	May react or be incompatible with oxidizing materials.
	Hybridization Buffer	may react of be incompatible with oxidizing materials.
	SureSelect RNase Block	May react or be incompatible with oxidizing materials.
	SureSelect Post-Capture	May react or be incompatible with oxidizing materials.
	Primer Mix	
	SureSelect XT Low Input	May react or be incompatible with oxidizing materials.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	May react or be incompatible with oxidizing materials.
	Input Custom Capture Library SSel XT Low Input Human	
	All Exon V7, 96 Reactions	

Section 10. Stability and reactivity

Automation

Hazardous decomposition sproducts	End Repair-A Tailing Enzyme Mix	Under normal conditions of storage and use, hazardous decomposition products should not be 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 produced.
	Adaptor Oligo Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Forward Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	100 mM dNTP Mix (25 mM each dNTP)	Under normal conditions of storage and use, 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 produced.
	SureSelect XT HS and XT Low Input Blocker Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Fast Hybridization Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect Post-Capture Primer Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	SSEL XT HS and XT Low Input Custom Capture Library	produced.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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	_
Herculase II Fusion DNA Polymerase			12000 mg/kg	
Glycerol 5X Herculase II Reaction	LD50 Oral	Rat	12600 mg/kg	-
Buffer Trometamol Ammonium sulphate Hexadecan-1-ol, ethoxylated	LD50 Dermal LD50 Oral LD50 Oral	Rat Rat Rat	>5000 mg/kg 2840 mg/kg 2500 mg/kg	-
Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-
SureSelect RNase Block Glycerol	LD50 Oral	Rat	12600 mg/kg	-
SSEL XT HS and XT Low Input Custom Capture Library				
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 mg	-
ate of issue/Date of revision	: 04/19/2022 Date of p	previous issue	: 03/04/2022	Vers	ion : 3.1 63

Section 11. Toxicological information

Td DNA Ligase GlycerolEyes - Mild irritant Skin - Mild irritantRabbit Rabbit-24 hours 500 P1 24 hours 500 P1 24 hours 500Ligation Buffer Polyethylene glycolEyes - Mild irritant Eyes - Mild irritant Skin - Mild irritant Eyes - Mild irritant Skin - Mild irritant Skin - Mild irritant Skin - Mild irritant RabbitRabbit-24 hours 500 P1 P1 P1 P1 P1 P1 P1 P1GlycerolEyes - Mild irritant Eyes - Mild irritant Skin - Mild irritant RabbitRabbit-24 hours 500 P1 P2 P2 P4 P2 + Durs 500-Hercutase II Fusion DNA P0/ymerase GlycerolEyes - Mild irritant Skin - Mild irritant Rabbit-24 hours 500 P2 P4 P4 hours 500Stureselect Binding Buffer Sodium choirdeEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritant Rabbit-25 % P3 P4 P4 hours 500-Sureselect Wash Buffer 1 Skin - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Rabbit-24 hours 500 P3 P4 P4 hours 22 P4 hours 22 P4 hours 22 P4 hours 22 P4 hours 22 P4 hours 24 P4 hours 25-Sureselect Wash Buffer 1 Skin - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Rabbit-24 hours 26 P4 hours 25 P4 hours 25 P4 hours 25 P4 hou					-	-
GlycerolEyes - Mild irritantRabbit-24 hours 600-Skin - Mild irritantRabbit-24 hours 500-Polyethylene glycolEyes - Mild irritantRabbit-24 hours 500-Eyes - Mild irritantRabbit-24 hours 500-Skin - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-PolymoraseEyes - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-Skin - Mild irritantRabbit-24 hours 500-BufferEyes - Mild irritantRabbit-24 hours 500-Skin - Mild irritantRabbit-25 %SureSelect Binding BufferEyes - Mild irritantRabbit-10 mg-SureSelect Wash Buffer 1Eyes - Mild irritantRabbit-25 %Sodium dodecyl sulphateEyes - Mild irritantRabbit-26 ugSkin - Mild irritantRabbit-10 mgSodium dodecyl sulphateEyes - Mild irritantRabbit-20 ugSkin - Mild irritantRabbit	TA DNA Lines					
Skin - Mild irritantRabbit-24 hours 500Polyethylene glycolEyes - Mild irritantRabbit-24 hours 500GlycerolEyes - Mild irritantRabbit-500 mg-GlycerolEyes - Mild irritantRabbit-500 mg-GlycerolEyes - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-FueroLase II Fusion DNA Polymarsse GlycerolEyes - Mild irritantRabbit-24 hours 500-Skin - Mild irritantRabbit-24 hours 500Skin - Mild irritantRabbit-24 hours 500Skin - Mild irritantRabbit-24 hours 500SureSelect Binding Buffer Schum chlorideEyes - Mild irritantRabbit-25 %-Sodium chlorideEyes - Mild irritantRabbit-25 Mours 500-SureSelect Wash Buffer 1 Skin - Mild irritantRabbit-25 Mours 500-Sodium chlorideEyes - Mild irritantRabbit-26 Uag-Sodium chlorideEyes - Mild irritantRabbit-26 Uag-Sodium chlorideEyes - Mild irritantRabbit-26 Uag-Sodium chlorideEyes - Mild irritantRabbit-20 Uag-		Eyes - Mild irritant	Rabbit	-		-
Ligation Buffer Polyethylene glycolEyes - Mild irritant Eyes - Mild irritantRabbit Rabbit-24 hours 500 24 hours 500GlycerolSkin - Mild irritant Eyes - Mild irritantRabbit-24 hours 500 24 hours 500-GlycerolSkin - Mild irritant Skin - Mild irritantRabbit-24 hours 500 24 hours 500-Herculase II Fusion DNA Polymerase GlycerolEyes - Mild irritant Skin - Mild irritantRabbit-24 hours 500 ang-StareSelect Binding Buffer Sodium choirdeEyes - Moderate irritant Skin - Mild irritantRabbit-24 hours 100 ang-SureSelect Wash Buffer1 Sodium choirdeEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit-24 hours 100 ang-SureSelect Wash Buffer1 Sodium choirdeEyes - Moderate irritant Skin - Mild irritantRabbit-24 hours 200 ang-SureSelect Wash Buffer1 Skin - Mild irritant Skin - Mild irritantRabbit-24 hours 200 ang-SureSelect Wash Buffer1 Skin - Mild irritant Skin - Mild irritant Skin - Mild irritantRabbit Rabbit-24 hours 20 ang-SureSelect Wash Buffer2 Scium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Skin - Mild irritant Rabbit-25 ug ang-SureSelect Wash Buffer2 Skin - Mild irritant Skin - Mild irritant Skin - Mild irritantRabbit Rabbit-24 hours 20 ang-SureSelect Was		Skin - Mild irritant	Rabbit	-	24 hours 500	-
Polyethylene glycolEyes - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-Skin - Mild irritantRabbit-24 hours 500-BufferSkin - Mild irritantRabbit-24 hours 500-GlycerolEyes - Mild irritantRabbit-24 hours 500-BufferSkin - Mild irritantRabbit-24 hours 500-Skin - Mild irritantRabbit-24 hours 500-BufferSkin - Moderate irritantRabbit-24 hours 500-SureSelect Binding BufferSkin - Moderate irritantRabbit-24 hours 100-SureSelect Wash Buffer 1Eyes - Moderate irritantRabbit-24 hours 200-Solum dodecyl sulphateEyes - Mild irritantRabbit-24 hours 20-Skin - Moderate irritantRabbit-24 hours 20Skin - Mild irritantRabbit-24 hours 20SureSelect Wash Buffer 1Skin - Mild irritantRabbit-24 hours 20-Skin - Mild irritantRabbit-24 hours 20Skin - Mild irritantRabbit-24 ho					ing	
SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Mild irritant RabbitRabbit Rabbit-ng 24 hours 500 a mg 24 hours 500SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Mild irritantRabbit Rabbit-24 hours 500 a mg g24 hours 500SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Mild irritantRabbit Rabbit-24 hours 500 mg mg a 24 hours 500SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Mild irritantRabbit Rabbit-25 % a 25 %SureSelect Wash Buffer 1 Skin - Mild irritantRabbit Rabbit-25 % a a a a b-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritant RabbitRabbit a a a a a b-SureSelect Wash Buffer 1 Skin - Mild irritant Eyes - Moderate irritant Eyes - Moderate irritant RabbitRabbit Rabbit a a a a a a a a a a a b a b skin - Mild irritant Eyes - Moderate irritant Rabbit-250 ug a a a a a b a a a a a b a b a b a b a b a b cSureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Mild irritant Eyes - Moderate irritant Eyes - Moderate irritant Rabbit-250 ug a a a a b a a a b a a b a b a b a b a b a b a b a <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Skin - Mild irritantRabbit-24 hours 500-GlycerolSkin - Mild irritantRabbit-500 mg 24 hours 500-Herculase II Fusion DNA Polymerase GlycerolEyes - Mild irritantRabbit-24 hours 500-Herculase II Fusion DNA 	Polyethylene glycol	Eyes - Mild irritant	Rabbit	-		-
GlycerolSkin - Mild irritant Eyes - Mild irritantRabbit Rabbit-mg 24 hours 500 mg-Herculase II Fusion DNA PolymeraseSkin - Mild irritantRabbit-24 hours 500 mg-SupcerolEyes - Mild irritantRabbit-24 hours 500 mg-SX Herculase II Reaction Buffer TrometamolSkin - Moderate irritant Skin - Moderate irritantRabbit-24 hours 500 mg-SureSelect Einding Buffer Sodium chlorideEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit-24 hours 100 mg-SureSelect Wash Buffer 1 Skin - Mild irritantRabbit-24 hours 100 mg-Sodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritant RabbitRabbit-25 ug mg-SureSelect Wash Buffer 1 Skin - Mild irritantRabbit-25 ug mgSodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritant RabbitRabbit-25 ug mg-SureSelect Wash Buffer 1 Skin - Mild irritantRabbit-25 ug mgSureSelect Wash Buffer 2 Skin - Mild irritantRabb				-		-
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GlycerolEyes - Mild irritantRabbit-24 hours 500 rmg-Skin - Mild irritantRabbit-24 hours 500 rmg-Polymerase GlycerolEyes - Mild irritantRabbit-24 hours 500 rmg-Skin - Mild irritantRabbit-24 hours 500 rmg-Skin - Mild irritantRabbit-24 hours 500 rmg-Skin - Moderate irritant Skin - Severe irritantRabbit-25 % soon rmg-SureSelect Binding Buffer Sodium chlorideEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit-24 hours 100 rmg-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit-250 ug rmg-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit-250 ug rmg-SureSelect Wash Buffer 2 Skin - Mild irritant Skin - Mild irritantRabbit-250 ug rmg-SureSelect Wash Buffer 2 Skin - Mild irritant Skin - Mild irritant Skin - Mild irritantRabbit-250 ug rmg-SureSelect Wash Buffer 2 Skin - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Rabbit-250 ug rmg-SureSelect Wash Buffer 2 Skin - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Rabbit-250 ug		Skin - Mild irritant	Rabbit	_		-
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Skin - Mild irritantRabbit-24 hours 500 mg-5X Herculase II Reaction Buffer TrometamolSkin - Moderate irritant Skin - Severe irritantRabbit-25 % 500 mg-SureSelect Binding Buffer Sodium chlorideEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritantRabbit-24 hours 100 mg-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritantRabbit Rabbit-250 ug 24 hours 500-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritantRabbit Rabbit-250 ug 24 hours 25-SureSelect Wash Buffer 1 Skin - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug 24 hours 25-SureSelect Wash Buffer 2 Skin - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Rabbit-250 ug 24 hours 25-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritant Rabbit-250 ug 24 hours 25-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Eyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit <br< td=""><td></td><td>Eyes - Mild irritant</td><td>Rabbit</td><td>-</td><td>24 hours 500</td><td>-</td></br<>		Eyes - Mild irritant	Rabbit	-	24 hours 500	-
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SX Herculase II Reaction Buffer TrometamolSkin - Moderate irritant Skin - Severe irritantRabbit Rabbit-25 % 500 mg-SureSelect Binding Buffer Sodium chlorideEyes - Moderate irritant Skin - Mild irritantRabbit-24 hours 100 mg-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug rug-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug rug-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug rug-SureSelect Wash Buffer 2 Skin - Mild irritant Skin - Mild irritantRabbit Rabbit250 ug 24 hours 25-SureSelect Wash Buffer 2 Skin - Mild irritant Skin - Mild irritantRabbit Rabbit250 ug 24 hours 25-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit250 ug 24 hours 25-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit250 ug 24 hours 25-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritant		Skin - Mild irritant	Rabbit	-		-
Buffer TrometamolSkin - Moderate irritantRabbit<						
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Sodium chlorideEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-24 hours 100 mg-SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritantRabbit Guinea pig-10 mg Skin - Moderate irritant Skin - Mild irritantRabbit-10 mg SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-24 hours 25 mg-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug SureSelect Wash Buffer 2 Sodium dodecyl sulphateSin - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug SureSelect Wash Buffer 2 Sodium dodecyl sulphateSin - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug SureSelect Wash Buffer	SureSelect Binding Buffer					
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SureSelect Wash Buffer 1 Sodium dodecyl sulphateSkin - Mild irritant Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritantRabbit Rabbit - Cureate Guinea pig-24 hours 500 mg-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritantRabbit Guinea pig - Rabbit-10 mg mg-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Moderate irritant Eyes - Moderate irritantRabbit Bubit 10 mg mg-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant RabbitRabbit 250 ug mg-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant RabbitRabbit 250 ug mg-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit 250 ug a-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Moderate irritant Rabbit Bubit 250 ug a-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Moderate irritant Bubit -Rabbit a-250 ug a-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Moderate irritant BufferRabbit a-250 ug a-SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Moderate irritant BufferRabbit a-24 hours 25 a-		5				
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SureSelect Wash Buffer 1 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritantRabbit Rabbit 		Skin - Mild irritant	Rabbit	-		-
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Skin - Mild irritantGuinea pig-24 hours 25-Skin - Moderate irritantMouse-24 hours 25-Skin - Mild irritantRabbit-24 hours 50-Skin - Mild irritantRabbit-24 hours 25-Sodium dodecyl sulphateEyes - Mild irritantRabbit-24 hours 25-Eyes - Moderate irritantRabbit-250 ug-Eyes - Moderate irritantRabbit-24 hours 100-Bys - Moderate irritantRabbit-10 mg-Skin - Mild irritantRabbit-24 hours 25-Skin - Mild irritantRabbit-24 hours 25-Skin - Mild irritantRabbit-10 mg-Skin - Mild irritantMouse-24 hours 25-Skin - Mild irritantRabbit-24 hours 25-Skin - Mild irritantRabbit-24 hours 25-Skin - Mild irritantMouse-24 hours 25-Skin - Mild irritantMouse-24 hours 25-Skin - Mild irritantMouse-24 hours 25-Skin - Moderate irritantMouse-24 hours 25-Skin - Moderate irritantMouse-24 hours 25-Skin - Mild irritantMouse-24 hours 25-Skin - Mild irritantMouse-24 hours 25-Skin - Mild irritantMouse						
Skin - Moderate irritantMouse-mg 24 hours 25Skin - Mild irritantRabbit-24 hours 50Skin - Moderate irritantRabbit-mg 24 hours 25Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritantRabbit Rabbit-Eyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritantRabbit Rabbit Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritant Eyes - Moderate irritantRabbit Rabbit Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritant Busin - Mild irritant Rabbit-250 ug Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritant Skin - Mild irritant-24 hours 25 Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritantRabbit Sodium dodecyl sulphateEyes - Moderate irritant Skin - Mild irritant-24 hours 25 				-		-
Skin - Moderate irritantMouse-24 hours 25-Skin - Mild irritantRabbit-24 hours 50-Skin - Moderate irritantRabbit-24 hours 25-Sodium dodecyl sulphateEyes - Mild irritantRabbit-250 ug-Eyes - Moderate irritantRabbit-250 ug-Eyes - Moderate irritantRabbit-24 hours 100-Eyes - Moderate irritantRabbit-10 mg-Eyes - Moderate irritantRabbit-24 hours 25-Skin - Mild irritantMouse-24 hours 25-		Skin - Mild irritant	Guinea pig	-		-
SureSelect Wash Buffer 2 Sodium dodecyl sulphateSkin - Mild irritant Eyes - Mild irritant Eyes - Moderate irritantRabbit Rabbi		Skin - Moderate irritant	Mouse			_
Skin - Mild irritantRabbit-24 hours 50-Skin - Moderate irritantRabbit-24 hours 25-Sodium dodecyl sulphateEyes - Mild irritantRabbit-250 ug-Eyes - Moderate irritantRabbit-24 hours 100-Eyes - Moderate irritantRabbit-24 hours 25-Skin - Mild irritantRabbit-24 hours 100-Eyes - Moderate irritantRabbit-10 mg-Skin - Mild irritantRabbit-10 mg-Skin - Mild irritantMouse-24 hours 25-			WOUSE			-
SureSelect Wash Buffer 2 Sodium dodecyl sulphateSkin - Moderate irritantRabbit-24 hours 25 mg-Eyes - Mild irritant Eyes - Moderate irritantRabbit-250 ug-Rabbit Rabbit-24 hours 100-MgSkin - Mild irritant Skin - Mild irritantRabbit Guinea pigSkin - Moderate irritantMouse-24 hours 25-MultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultipleMultiple <td></td> <td>Skin - Mild irritant</td> <td>Rabbit</td> <td>-</td> <td>24 hours 50</td> <td>-</td>		Skin - Mild irritant	Rabbit	-	24 hours 50	-
SureSelect Wash Buffer 2 Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritant Skin - Mild irritantRabbit Rabbit-250 ug 24 hours 100 mg 10 mg-Eyes - Moderate irritant Skin - Mild irritantRabbit Guinea pigSkin - Moderate irritant Skin - Moderate irritantMouse-24 hours 25-		Skin - Moderate irritant	Rabbit	_		-
Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritantRabbit Rabbit-250 ug 24 hours 100 mg-Eyes - Moderate irritant Skin - Mild irritantRabbit Guinea pig NouseSkin - Moderate irritant Skin - Moderate irritantMouse-24 hours 25 mg-						
Sodium dodecyl sulphateEyes - Mild irritant Eyes - Moderate irritantRabbit Rabbit-250 ug 24 hours 100 mg-Eyes - Moderate irritant Skin - Mild irritantRabbit Guinea pig NouseSkin - Moderate irritant Skin - Moderate irritantMouse-24 hours 25 mg-	SureSelect Wash Buffer 2					
Eyes - Moderate irritantRabbit-24 hours 100-Eyes - Moderate irritantRabbit-10 mg-Skin - Mild irritantGuinea pig-24 hours 25-Skin - Moderate irritantMouse-24 hours 25-		Eves - Mild irritant	Rabbit	_	250 ya	-
Eyes - Moderate irritant Skin - Mild irritantRabbit Guinea pig-ng 24 hours 25 mgSkin - Moderate irritantMouse-24 hours 25-				-		-
Skin - Mild irritantGuinea pig-24 hours 25-Moderate irritantMouse-24 hours 25-						
Skin - Moderate irritantMouse-mg24 hours 25-				-		-
Skin - Moderate irritant Mouse - 24 hours 25 -			Guinea pig	-		-
ate of issue/Date of revision : 04/19/2022 Date of previous issue : 03/04/2022 Version : 3.1 64/8		Skin - Moderate irritant	Mouse	-		-
	Date of issue/Date of revision	: 04/19/2022 Date of prev	vious issue	: 03/04/2022	Vers	ion : 3.1 64/8

Section 11. Toxicological information

	Skin - Mild irritant	Rabbit	-	mg 24 hours 50	-
	Skin - Moderate irritant	Rabbit	-	mg 24 hours 25 mg	-
SureSelect RNase Block					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Skin - Mild irritant	Rabbit		mg	
	Skin - Mild Initant	Rabbit	-	24 hours 500 mg	-
SSEL XT HS and XT Low Input Custom Capture Library					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Skin - Mild irritant	Rabbit	-	mg 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 toxi	city (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.

	End Repair-A Tailing	Routes of entry anticipated: Oral, Dermal, Inhalation.
routes of exposure	Enzyme Mix End Repair-A Tailing Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	T4 DNA Ligase	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Ligation Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Adaptor Oligo Mix	Not available.
	Forward Primer	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	Herculase II Fusion DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation.
	5X Herculase II Reaction Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	SureSelect Binding Buffer	Not available.
	SureSelect Wash Buffer 1	Not available.
	SureSelect Wash Buffer 2 SureSelect XT HS and XT	Not available.
	Low Input Blocker Mix	Not available.
	SureSelect Fast	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Hybridization Buffer	······, _ ····,,
	SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation.
	SureSelect Post-Capture Primer Mix	Not available.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not available.
Detential coute bootth offecto	Automation	
Potential acute health effects		
Eye contact :	End Repair-A Tailing Enzyme Mix	Causes eye irritation.
	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	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	No known significant effects or critical hazards.
	Low Input Blocker Mix 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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human	No known significant effects or critical hazards.

	All Exon V7, 96 Reactions	
Inhalation :	Automation 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)	-
	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	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 Primer Mix	No known significant effects or critical hazards.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human	No known significant effects or critical hazards.
	All Exon V7, 96 Reactions Automation	
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	No known significant effects or critical hazards.
	each dNTP)	,
	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	No known significant effects or critical hazards.
	Low Input Blocker Mix	J. J
	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	The known organicant choole of childer hazalus.
		No los sue since the set of the s
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low	No known significant effects or critical hazards. No known significant effects or critical hazards.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	-

	J	
	All Exon V7, 96 Reactions Automation	
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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No known significant effects or critical hazards.
Symptoms related to the physic	al, chemical and toxicologica	al 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: irritation watering redness

Ligation Buffer

Adaptor Oligo Mix Forward Primer 100 mM dNTP Mix (25 mM each dNTP) Herculase II Fusion DNA Polymerase

No specific data. Adverse symptoms may include the following:

Adverse symptoms may include the following:

irritation watering redness No specific data.

irritation watering redness

No specific data.

No specific data.

5X Herculase II Reaction Buffer

:04/19/2022

Date of previous issue : 03/04/2022

	gioar information	
	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 Low Input	No specific data.
	Index Bulk Set 2 A01-H12	
	SSEL XT HS and XT Low	No specific data.
	Input Custom Capture Library	•
	SSel XT Low Input Human	No specific data.
	All Exon V7, 96 Reactions	
	Automation	
Inhalation :	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	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	
	SureSelect XT Low Input	No specific data.
	Index Bulk Set 2 A01-H12	-
	SSEL XT HS and XT Low	No specific data.
	Input Custom Capture Library	•
	SSel XT Low Input Human	No specific data.
	All Exon V7, 96 Reactions	
	Automation	
Skin contact :	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)	

	9.00	
	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	•
	SureSelect XT Low Input	No specific data.
	Index Bulk Set 2 A01-H12	•
	SSEL XT HS and XT Low	No specific data.
	Input Custom Capture Library	
	SSel XT Low Input Human	No specific data.
	All Exon V7, 96 Reactions	
Ingestion :	EHPREPAIL-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 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 Hybridization Buffer	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Post-Capture	No specific data.
	Primer Mix	
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No specific data.
	SSEL XT HS and XT Low Input Custom Capture Library	No specific data.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure				
<u>Short term exposure</u>				
Potential immediate effects	: Not available.			
Potential delayed effects	: Not available.			
Long term exposure				

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Potential immediate effects	: Not available.	
Potential delayed effects	: Not available.	
Potential chronic health effe	ects	
General	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	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 Primer Mix	No known significant effects or critical hazards.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No known significant effects or critical hazards.
Carcinogenicity	: 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 Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
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	gioar internation	
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	No known significant effects or critical hazards.
Mutagenicity :	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	No known significant effects or critical hazards.
	Primer Mix SureSelect XT Low Input Index Bulk Set 2 A01-H12	No known significant effects or critical hazards.
	SSEL XT HS and XT Low Input Custom Capture Library	No known significant effects or critical hazards.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	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 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 Low Input	No known significant effects or critical hazards.

Section 11. Toxicological information

Index Bulk Set 2 A01-H12 SSEL XT HS and XT Low No known significant effects or critical hazards. Input Custom Capture Library SSel XT Low Input Human All Exon V7, 96 Reactions Automation

Numerical measures of toxicity

Acute toxicity estimates

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	159509.2	N/A	N/A	N/A	N/A
Potassium chloride	2600	N/A	N/A	N/A	N/A
T4 DNA Ligase					
Glycerol	12600	N/A	N/A	N/A	N/A
Ligation Buffer					
Polyethylene glycol	28000	N/A	N/A	N/A	N/A
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
5X Herculase II Reaction Buffer					
5X Herculase II Reaction Buffer	107739	N/A	N/A	N/A	N/A
Ammonium sulphate	2840	N/A	N/A	N/A	N/A
Hexadecan-1-ol, ethoxylated	2500	N/A	N/A	N/A	N/A
SureSelect Binding Buffer					
SureSelect Binding Buffer	51369.9	N/A	N/A	N/A	N/A
Sodium chloride	3000	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 and XT Low Input Custom Capture					
Library					
Glycerol	12600	N/A	N/A	N/A	N/A

	U	
Other information	: End Repair-A Tailing Enzyme Mix	Not available.
	End Repair-A Tailing Buffer	Adverse symptoms may include the following: May cause skin sensitization.
	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	Adverse symptoms may include the following: May cause skin sensitization.
	SureSelect Post-Capture Primer Mix	Not available.
	SureSelect XT Low Input Index Bulk Set 2 A01-H12	Not available.
	SSEL XT HS and XT Low Input Custom Capture Library	Not available.
	SSel XT Low Input Human All Exon V7, 96 Reactions Automation	Not available.
	Automation	

Section 12. Ecological information

Toxicity

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 Buffe	r		
Potassium chloride	Acute EC50 1337000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 9.24 g/L Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 83000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 9.68 mg/l Fresh water	Crustaceans - Pseudosida ramosa - Neonate	48 hours
	Acute LC50 509.65 mg/l Fresh water	Fish - Danio rerio	96 hours
T4 DNA Ligase			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Ligation Buffer			
Polyethylene glycol	Acute LC50 >1000000 µg/l Fresh water	Fish - Salmo salar - Parr	96 hours
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Herculase II Fusion DNA Polymerase			
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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		
Ammonium sulphate	Acute NOEC 520 mg/l Fresh water Chronic NOEC 7.5 mg/l Marine water	Daphnia Algae - Phaeodactylum tricornutum - Exponential growth phase	48 hours 96 hours		
Hexadecan-1-ol, ethoxylated	Acute LC50 330000 to 1000000 µg/l Marine water	Crustaceans - Crangon crangon - Adult	48 hours		
SureSelect Binding Buffer					
Sodium chloride	Acute EC50 2430000 μg/l Fresh water Acute EC50 519.6 mg/l Fresh water	Algae - Navicula seminulum Crustaceans - Cypris subglobosa	96 hours 48 hours		
	Acute EC50 402.6 mg/l Fresh water	Daphnia - Daphnia magna	48 hours		
	Acute IC50 6.87 g/L Fresh water Acute LC50 1000000 µg/l Fresh water	Aquatic plants - Lemna minor Fish - Morone saxatilis - Larvae	96 hours 96 hours		
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks		
	Chronic NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours		
	Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water	Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	21 days 8 weeks		
SureSelect Wash Buffer 1					
Sodium dodecyl sulphate	Acute EC50 1200 μg/l Marine water Acute LC50 900 μg/l Marine water	Algae - Skeletonema costatum Crustaceans - Artemia salina - Adult	96 hours 48 hours		
	Acute LC50 1400 μg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours		
	Acute LC50 590 µg/l Fresh water Chronic NOEC 1.25 mg/l Marine water Chronic NOEC 1 mg/l Fresh water	Fish - Cirrhinus mrigala - Larvae Algae - Ulva fasciata - Zoea Crustaceans - Pseudosida ramosa - Neonate	96 hours 96 hours 21 days		
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days		
	Chronic NOEC >1357 µg/l Fresh water	Fish - Pimephales promelas	42 days		
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	Acute EC50 1200 μg/l Marine water Acute LC50 900 μg/l Marine water	Algae - Skeletonema costatum Crustaceans - Artemia salina -	96 hours 48 hours		
	Acute LC50 1400 μg/l Fresh water	Adult Daphnia - Daphnia pulex - Neonate	48 hours		
	Acute LC50 590 µg/l Fresh water	Fish - Cirrhinus mrigala - Larvae	96 hours		
	Chronic NOEC 1.25 mg/l Marine water Chronic NOEC 1 mg/l Fresh water	Algae - Ulva fasciata - Zoea Crustaceans - Pseudosida ramosa - Neonate	96 hours 21 days		
	Chronic NOEC 3.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	21 days		
	Chronic NOEC >1357 µg/l Fresh water	Fish - Pimephales promelas	42 days		
SureSelect RNase Block Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours		
SSEL XT HS and XT Low Input Custom Capture					
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Library			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours

Persistence and degradability

Ready Biodegradability - CO2 Evolution Test Ready CO2 Evolution Test SureSelect Wash Buffer 2 Sodium dodecyl sulphate OECD 301B 95 % - Readily - 28 days 20 mg/l	Product/ingredient name	Test	Result	Dose	Inoculum
Glycerol 301D Ready 93 % - 30 days - - Ligation Buffer OECD 301D 74.85 % - Readily - 28 days 4 mg/l - Polyethylene glycol OECD 301D 74.85 % - Readily - 28 days 4 mg/l - Glycerol DECD 301D 74.85 % - Readily - 28 days 4 mg/l - Glycerol Biodegradability - Closed Bottle 93 % - 30 days - - Glycerol Biodegradability - Closed Bottle 93 % - 30 days - - Herculase II Fusion DNA Polymerase 301D Ready 93 % - 30 days - - SUPSelect Wash Buffer 1 OECD 301F 93 % - 30 days - - - SureSelect Wash Buffer 1 OECD 301F 97.1 % - Readily - 28 days 30 mg/l - - Sodium dodecyl sulphate OECD 301B 95 % - Readily - 28 days 20 mg/l Activated si SureSelect Wash Buffer 2 OECD 301B 95 % - Readily - 28 days 20 mg/l Activated si	Enzyme Mix	Biodegradability - Closed Bottle	93 % - 30 days	-	-
Polyethylene glycolOECD 301D Ready Biodegradability - Closed Bottle Test74.85 % - Readily - 28 days4 mg/l-Glycerol301D Ready Biodegradability - Closed Bottle Test93 % - 30 daysHerculase II Fusion DNA Polymerase Glycerol301D Ready Biodegradability - Closed Bottle Test93 % - 30 daysSX Herculase II Reaction Buffer Trometamol0ECD 301F Ready Biodegradability - Closed Bottle Test93 % - 30 daysSUreSelect Wash Buffer 1 Sodium dodecyl sulphateOECD 301B Ready Biodegradability - 		Biodegradability - Closed Bottle	93 % - 30 days	-	-
Glycerol301D Ready Biodegradability- Closed Bottle Test93 % - 30 daysHerculase II Fusion DNA Polymerase Glycerol301D Ready Biodegradability- 		Ready Biodegradability -	74.85 % - Readily - 28 days	4 mg/l	-
Polymerase Glycerol301D Ready Biodegradability - Closed Bottle 	Glycerol	301D Ready Biodegradability - Closed Bottle	93 % - 30 days	-	-
Buffer TrometamolOECD 301F Ready Biodegradability - Manometric Respirometry Test97.1 % - Readily - 28 days30 mg/l-SureSelect Wash Buffer 1 	Polymerase	Biodegradability - Closed Bottle	93 % - 30 days	-	-
Sodium dodecyl sulphateOECD 301B Ready Biodegradability - CO2 Evolution 	Buffer	Ready Biodegradability - Manometric Respirometry	97.1 % - Readily - 28 days	30 mg/l	-
Sodium dodecyl sulphate OECD 301B 95 % - Readily - 28 days 20 mg/l Activated sl		Ready Biodegradability - CO ₂ Evolution	95 % - Readily - 28 days	20 mg/l	Activated sludge
Biodegradability - CO ₂ Evolution Test		Ready Biodegradability - CO ₂ Evolution	95 % - Readily - 28 days	20 mg/l	Activated sludge

Section 12. Ecological information

Section 12. Ecolog	gical inform	lation			
SureSelect RNase Block Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days		-	-
SSEL XT HS and XT Low Input Custom Capture Library Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days		-	-
Product/ingredient name	Aquatic half-life		Photolysis	5	Biodegradability
End Repair-A Tailing Buffer Potassium chloride	-		-		Readily
Ligation Buffer Polyethylene glycol	-		-		Readily
5X Herculase II Reaction Buffer					
Trometamol Ammonium sulphate Hexadecan-1-ol, ethoxylated	- - -		- - -		Readily Readily Readily
SureSelect Wash Buffer 1 Sodium dodecyl sulphate	-		-		Readily
SureSelect Wash Buffer 2 Sodium dodecyl sulphate	-		-		Readily

Bioaccumulative potential

<u>Diodoodinanani o potonitai</u>			
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 Polyethylene glycol Glycerol	- -1.76	3.2	low low
Herculase II Fusion DNA Polymerase Glycerol	-1.76	-	low
5X Herculase II Reaction Buffer			
Trometamol Ammonium sulphate	-2.31 -5.1	- -	low low
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Section 12. Ecological information			
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 and XT Low Input Custom Capture Library			
Glycerol	-1.76	-	low

Mobility in soil

Soil/water partition	: Not available.
coefficient (Koc)	

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 : Not available. to IMO instruments

Section 15. Regulatory information

Canadian lists

- Canadian NPRI : None c
 - : None of the components are listed.
- **CEPA Toxic substances** : None of the components are listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

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Section 15. Regulatory information

Montreal Protocol	
Not listed.	

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

Section 16. Other information

<u>History</u>	
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Version	: 3.1
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

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	

References

: Not available.

Indicates information that has changed from previously issued version.

Notice to reader

Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.

Note *

*SureSelect XT Low Input Index Bulk Set 2 A01-H12: 5190-3901, 5190-3902, 5190-3903, 5190-3904, 5190-3905, 5190-3906, 5190-3907, 5190-3908, 5190-3909, 5190-3910, 5190-3911, 5190-3912, 5190-3913, 5190-3914, 5190-3915, 5190-3916, 5190-3917, 5190-3918, 5190-3919, 5190-3920, 5190-3921, 5190-3922, 5190-3923, 5190-3924, 5190-3925, 5190-3926, 5190-3927, 5190-3928, 5190-3929, 5190-3930, 5190-3931, 5190-3932, 5190-3933, 5190-3934, 5190-3935, 5190-3936, 5190-3937, 5190-3938, 5190-3939, 5190-3940, 5190-3941, 5190-3942, 5190-3943, 5190-3944, 5190-3945, 5190-3946, 5190-3947, 5190-3948, 5190-3949, 5190-3950, 5190-3951, 5190-3955, 5190-3955, 5190-3956, 5190-3957, 5190-3958, 5190-3959, 5190-3960, 5190-3962, 5190-3963, 5190-3957, 5190-3952, 5190-3967, 5190-3964, 5190-3962, 5190-3970, 5190-3971, 5190-3972, 5190-3973, 5190-3974, 5190-3976, 5190-3976, 5190-3977, 5190-3978, 5190-3979, 5190-3980, 5190-3981, 5190-3982, 5190-3984, 5190-3984, 5190-3985, 5190-3986, 5190-3984, 5190-3985, 5190-3986, 5190-3984, 5190-3985, 5190-3986, 5190-3984, 5190-3985, 5190-3986, 5