Conforms to Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals

SAFETY DATA SHEET



Avida Methyl Reagent Kit with 1-96 Index Primer Pairs for ILM, 96 Reactions, Part Number G9429A

Section 1. Identification

Product identifier	: Avida Methyl Reagent Kit with 1-96 Index P Number G9429A	rimer Pairs for ILM, 96 Reactions, Part
Part no. (chemical kit)	: G9429A	
Part no.	: <u>Avida Methyl Reagent Box 2, 96</u> <u>Reactions/Avida Methyl and Duo Reagent</u> Box 3, 96 Reactions	<u>5282-0148/5282-0150</u>
	Nuclease-Free Water	5271-0134
	<u>Avida Methyl Reagent Box 1, 96</u> <u>Reactions</u>	<u>5282-0146</u>
	End Prep Buffer	5271-0121
	End Prep Enzyme	5271-0122
	Ligation Buffer	5271-0123
	Ligation Enzyme	5271-0124
	Adapter for ILM	5271-0139
	Hyb Blocker	5271-0126
	Hyb Buffer	5271-0127
	Hyb Enhancer	5271-0128
	Soft Conversion Reagent A	5271-0137
	2X Methyl Amplification Mastermix	5271-0138
	<u>Avida Methyl Reagent Box 2, 96</u> <u>Reactions</u>	<u>5282-0148</u>
	Library Wash Buffer	5271-0130
	Hyb Wash Buffer 1	5271-0131
	Hyb Wash Buffer 2	5271-0132
	<u>Avida Methyl and Duo Reagent Box 3, 96</u> <u>Reactions</u>	<u>5282-0150</u>
	Soft Conversion Reagent B	5271-0113
	Soft Conversion Binding Beads	5271-0141
	5X Soft Conversion Wash Buffer	5271-0142
	Soft Conversion Elution Buffer	5271-0143
	Soft Conversion Repair Solution	5271-0144
	Avida Beads Box, 96 Reactions	<u>5282-0144</u> 5271 0125
	Library Binding Beads Capture Beads	5271-0135
	Avida Index Primer Pairs 1 -96 for ILM	5271-0136 <u>5280-0055</u>
	Avida Index Primer Pairs 1-96 for ILM	5274-0079
		5214-0013
Relevant identified uses of th	<u>ne substance or mixture and uses advised a</u>	<u>gainst</u>
Identified uses	: Analytical reagent. For research use only.	
	Nuclease-Free Water	5.76 ml (96 reactions)
	End Prep Buffer	0.877 ml (96 reactions)
	End Prep Enzyme	0.351 ml (96 reactions)
	Ligation Buffer	2.960 ml (96 reactions)
	Ligation Enzyme	0.694 ml (96 reactions)
	Adapter for ILM	0.588 ml (96 reactions)
	Hyb Blocker	0.349 ml (96 reactions)
	Hyb Buffer	5.524 ml (96 reactions)
	Hyb Enhancer	0.988 ml (96 reactions)
	Soft Conversion Reagent A	0.387 ml (96 reactions)
	2X Methyl Amplification Mastermix	2.940 ml (96 reactions)
	Library Wash Buffer	21.12 ml (96 reactions)
	Hyb Wash Buffer 1	31.680 ml (96 reactions)
	Hyb Wash Buffer 2 Soft Conversion Reagent B	18.24 ml (96 reactions) 6 x 0.750 ml
	Con Conversion Reagent D	0 X 0.7 00 mi

Section 1. Identification

Uses advised against	Soft Conversion Binding Beads 5X Soft Conversion Wash Buffer Soft Conversion Elution Buffer Soft Conversion Repair Solution Library Binding Beads Capture Beads Avida Index Primer Pairs 1-96 for ILM Not for use in diagnostic procedures.	17.280 ml (96 reactions) 8 ml (96 reactions) 1.728 ml (96 reactions) 0.588 ml (96 reactions) 10.083 ml (96 reactions) 0.944 ml (96 reactions) 96 x 0.005 ml
U	0	
Supplier/Manufacturer	: Agilent Technologies Australia Pty Ltd 679 Springvale Road Mulgrave Victoria 3170, Australia 1800 802 402	
Emergency telephone number (with hours of operation)	: CHEMTREC®: +(61)-290372994	

Section 2. Hazard(s) identification

Classification of the substan	<u>ce or mixture</u>
End Prep Buffer H412	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
End Prep Enzyme H320	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B
Ligation Enzyme H320	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B
Hyb Buffer H302 H315 H370 H412	ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Hyb Enhancer H351 H360 H373	CARCINOGENICITY - Category 2 REPRODUCTIVE TOXICITY - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
Soft Conversion Reagent A H227 H319 H360	FLAMMABLE LIQUIDS - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A REPRODUCTIVE TOXICITY - Category 1
Soft Conversion Reagent B H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
Soft Conversion Binding Beads H226 H314 H318 H400 H411	FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Soft Conversion Elution Buffer H314 H318	SKIN CORROSION/IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
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Section 2. Hazard	(3) Identification	
	Hyb Buffer	Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
	Hyb Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.4%
	2X Methyl Amplification Mastermix Soft Conversion Reagent B	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 10% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 70%
GHS label elements		
Hazard pictograms	: Hyb Buffer	\wedge
	Hyb Enhancer	
	Soft Conversion Reagent A	
	Soft Conversion Reagent B	
	Soft Conversion Binding Beads	
	Soft Conversion Elution Buffer	
Signal word	: Nuclease-Free Water End Prep Buffer End Prep Enzyme	No signal word. No signal word. WARNING
	Ligation Buffer	No signal word.
	Ligation Enzyme Adapter for ILM	WARNING No signal word.
	Hyb Blocker	No signal word.
	Hyb Buffer Hyb Enhancer	DANGER DANGER
	Soft Conversion Reagent A	DANGER
	2X Methyl Amplification Mastermix	No signal word.
	Library Wash Buffer	No signal word.
	Hyb Wash Buffer 1 Hyb Wash Buffer 2	No signal word. No signal word.
	Soft Conversion Reagent B	WARNING
	Soft Conversion Binding Beads	DANGER
	5X Soft Conversion Wash Buffer	No signal word.
	Soft Conversion Elution Buffer	DANGER

	Soft Conversion Repair Solution	No signal word.
	Library Binding Beads Capture Beads Avida Index Primer Pairs 1-96 for ILM	No signal word. No signal word. No signal word.
Hazard statements	 Nuclease-Free Water End Prep Buffer End Prep Enzyme Ligation Buffer Ligation Enzyme Adapter for ILM Hyb Blocker Hyb Buffer 	No known significant effects or critical hazards. H412 - Harmful to aquatic life with long lasting effects H320 - Causes eye irritation. No known significant effects or critical hazards. H320 - Causes eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. H302 - Harmful if swallowed. H315 - Causes skin irritation. H370 - Causes damage to organs. (central nervous system (CNS))
	Hyb Enhancer	 H412 - Harmful to aquatic life with long lasting effects H351 - Suspected of causing cancer. H360 - May damage fertility or the unborn child. H373 - May cause damage to organs through
	Soft Conversion Reagent A	prolonged or repeated exposure. (blood) H227 - Combustible liquid. H319 - Causes serious eye irritation. H360 - May damage fertility or the unborn child.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer Hyb Wash Buffer 1 Hyb Wash Buffer 2 Soft Conversion Reagent B Soft Conversion Binding Beads	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. H319 - Causes serious eye irritation. H226 - Flammable liquid and vapour.
		H314 - Causes severe skin burns and eye damage. H400 - Very toxic to aquatic life. H411 - Toxic to aquatic life with long lasting effects.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	H314 - Causes severe skin burns and eye damage.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads Capture Beads Avida Index Primer Pairs 1-96 for ILM	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Precautionary statements		
Prevention	: Nuclease-Free Water End Prep Buffer End Prep Enzyme	Not applicable. P273 - Avoid release to the environment. Not applicable.
	Ligation Buffer Ligation Enzyme Adapter for ILM	Not applicable. Not applicable. Not applicable.
	Hyb Blocker Hyb Buffer	Not applicable. P280 - Wear protective gloves. P273 - Avoid release to the environment. P260 - Do not breathe vapour. P270 - Do not eat, drink or smoke when using this
	Hyb Enhancer	product. P201 - Obtain special instructions before use. P280 - Wear protective gloves, protective clothing and eye or face protection. P260 - Do not breathe vapour.
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	Soft Conversion Reagent A 2X Methyl Amplification Mastermix Library Wash Buffer	 P201 - Obtain special instructions before use. P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Not applicable. Not applicable.
	Hyb Wash Buffer 1	Not applicable.
	Hyb Wash Buffer 2	Not applicable.
	Soft Conversion Reagent B	P280 - Wear eye or face protection.
	Soft Conversion Binding	P280 - Wear protective gloves, protective clothing
	Beads	and eye or face protection.
		P210 - Keep away from heat, hot surfaces, sparks,
		open flames and other ignition sources. No smoking.
		P273 - Avoid release to the environment.
	5X Soft Conversion Wash	Not applicable.
	Buffer	
	Soft Conversion Elution	P280 - Wear protective gloves, protective clothing
	Buffer	and eye or face protection.
	Soft Conversion Repair	Not applicable.
	Solution	
	Library Binding Beads	Not applicable.
	Capture Beads	Not applicable.
	Avida Index Primer Pairs	Not applicable.
	1-96 for ILM	·····
Response :	Nuclease-Free Water	Not applicable.
	End Prep Buffer	Not applicable.
	End Prep Enzyme	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	Not applicable.
	Ligation Enzyme	P305 + P351 + P338 - IF IN EYES: Rinse cautiously
	Ligation Enzymo	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.
	Adapter for ILM	Not applicable.
	Hyb Blocker	Not applicable.
	Hyb Buffer	P308 + P311 - IF exposed or concerned: Call a
		POISON CENTER or doctor.
	Hyb Enhancer	P308 + P313 - IF exposed or concerned: Get medical
		advice or attention.
	Soft Conversion Reagent A	P308 + P313 - IF exposed or concerned: Get medical
		advice or attention.
		P305 + P351 + P338 - IF IN EYES: Rinse cautiously
		with water for several minutes. Remove contact
		lenses, if present and easy to do. Continue rinsing.
	2X Methyl Amplification	
	2X Methyl Amplification Mastermix	Not applicable.
	Library Wash Buffer	Not applicable.
	Hyb Wash Buffer 1	Not applicable.
	Hyb Wash Buffer 2	Not applicable.
	Soft Conversion Reagent B	P305 + P351 + P338 - IF IN EYES: Rinse cautiously
	Con Conversion Reagent D	with water for several minutes. Remove contact
		lenses, if present and easy to do. Continue rinsing.
		P337 + P313 - If eye irritation persists: Get medical
	Soft Conversion Direline	advice or attention.
	Soft Conversion Binding	P391 - Collect spillage.
	Beads	
		P304 + P310 - IF INHALED: Immediately call a

		POISON CENTER or doctor.
	5X Soft Conversion Wash	Not applicable.
	Buffer	
	Soft Conversion Elution	P304 + P310 - IF INHALED: Immediately call a
	Buffer	POISON CENTER or doctor.
	Banor	P301 + P310 - IF SWALLOWED: Immediately call a
		POISON CENTER or doctor.
		P303 + P361 + P353, P310 - IF ON SKIN (or hair):
		Take off immediately all contaminated clothing. Rinse
		skin with water. Immediately call a POISON
		CENTER or doctor.
	Soft Conversion Repair	Not applicable.
	Solution	
	Library Binding Beads	Not applicable.
	Capture Beads	Not applicable.
	Avida Index Primer Pairs	Not applicable.
	1-96 for ILM	Not applicable.
Storage	: Nuclease-Free Water	Not applicable.
	End Prep Buffer	Not applicable.
	End Prep Enzyme	Not applicable.
	Ligation Buffer	Not applicable.
	Ligation Enzyme	Not applicable.
		•••
	Adapter for ILM	Not applicable.
	Hyb Blocker	Not applicable.
	Hyb Buffer	Not applicable.
	Hyb Enhancer	Not applicable.
	Soft Conversion Reagent A	Not applicable.
	2X Methyl Amplification	Not applicable.
	Mastermix	
	Library Wash Buffer	Not applicable.
	Hyb Wash Buffer 1	Not applicable.
	Hyb Wash Buffer 2	Not applicable.
	•	•••
	Soft Conversion Reagent B	Not applicable.
	Soft Conversion Binding	Not applicable.
	Beads	
	5X Soft Conversion Wash	Not applicable.
	Buffer	
	Soft Conversion Elution	Not applicable.
	Buffer	
	Soft Conversion Repair	Not applicable.
	Solution	
	Library Binding Beads	Not applicable.
	Capture Beads	Not applicable.
	Avida Index Primer Pairs	Not applicable.
	1-96 for ILM	
Disposal	: Nuclease-Free Water	Not applicable.
	End Prep Buffer	P501 - Dispose of contents and container in
		accordance with all local, regional, national and
		international regulations.
	End Prep Enzyme	Not applicable.
	Ligation Buffer	Not applicable.
	Ligation Enzyme	Not applicable.
	Adapter for ILM	Not applicable.
	Hyb Blocker	Not applicable.
	Hyb Buffer	P501 - Dispose of contents and container in
	,	accordance with all local, regional, national and
		international regulations.
	Hub Enhancer	
	Hyb Enhancer	P501 - Dispose of contents and container in
		accordance with all local, regional, national and
		international regulations.
	Soft Conversion Reagent A	P501 - Dispose of contents and container in
		accordance with all local, regional, national and
		international regulations.
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	2X Methyl Amplification Mastermix	Not applicable.
	Library Wash Buffer	Not applicable.
	Hyb Ŵash Buffer 1	Not applicable.
	Hyb Wash Buffer 2	Not applicable.
	Soft Conversion Reagent B	Not applicable.
	Soft Conversion Binding	P501 - Dispose of contents and container in
		•
	Beads	accordance with all local, regional, national and
		international regulations.
	5X Soft Conversion Wash	Not applicable.
	Buffer	
	Soft Conversion Elution	P501 - Dispose of contents and container in
	Buffer	accordance with all local, regional, national and
		international regulations.
	Soft Conversion Repair	Not applicable.
	Solution	
	Library Binding Beads	Not applicable.
	Capture Beads	Not applicable.
	Avida Index Primer Pairs	Not applicable.
	1-96 for ILM	Not applicable.
Supplemental label elements		
Additional warning :	Nuclease-Free Water	Not applicable.
phrases	End Prep Buffer	Not applicable.
	End Prep Enzyme	Not applicable.
	Ligation Buffer	Not applicable.
	Ligation Enzyme	Not applicable.
	Adapter for ILM	Not applicable.
	•	
	Hyb Blocker	Not applicable.
	Hyb Buffer	Not applicable.
	Hyb Enhancer	Not applicable.
	Soft Conversion Reagent A	Not applicable.
	2X Methyl Amplification	Not applicable.
	Mastermix	
	Library Wash Buffer	Not applicable.
	Hyb Wash Buffer 1	Not applicable.
	Hyb Wash Buffer 2	Not applicable.
	Soft Conversion Reagent B	Not applicable.
	Soft Conversion Binding	Corrosive to the respiratory tract.
	Beads	. ,
	5X Soft Conversion Wash	Not applicable.
	Buffer	Netennicable
	Soft Conversion Elution Buffer	Not applicable.
	Soft Conversion Repair	Not appliable
	Solution	Not applicable.
		Netannliachla
	Library Binding Beads	Not applicable.
	Capture Beads	Not applicable.
	Avida Index Primer Pairs	Not applicable.
	1-96 for ILM	
Other hazards which do not :	Nuclease-Free Water	None known.
result in classification	End Prep Buffer	None known.
	End Prep Enzyme	None known.
	Ligation Buffer	None known.
	Ligation Enzyme	None known.
	Adapter for ILM	None known.
	Hyb Blocker	None known.
	Hyb Buffer	None known.
	Hyb Enhancer	None known.
	Soft Conversion Reagent A	None known.
	2X Methyl Amplification	None known.
	Mastermix	

ct burns.

Section 3. Composition and ingredient information

Substance/mixture	: Nuclease-Free Water	Substance
	End Prep Buffer	Mixture
	End Prep Enzyme	Mixture
	Ligation Buffer	Mixture
	Ligation Enzyme	Mixture
	Adapter for ILM	Mixture
	Hyb Blocker	Mixture
	Hyb Buffer	Mixture
	Hyb Enhancer	Mixture
	Soft Conversion Reagent A	Mixture
	2X Methyl Amplification	Mixture
	Mastermix	
	Library Wash Buffer	Mixture
	Hyb Wash Buffer 1	Mixture
	Hyb Wash Buffer 2	Mixture
	Soft Conversion Reagent B	Mixture
	Soft Conversion Binding Beads	Mixture
	5X Soft Conversion Wash Buffer	Mixture
	Soft Conversion Elution Buffer	Mixture
	Soft Conversion Repair Solution	Mixture
	Library Binding Beads Capture Beads	Mixture Mixture
	Avida Index Primer Pairs 1-96 for ILM	Mixture

CAS number/other identifiers

Ingredient name			% (w/w)	CAS number
Nuclease-Free Water				
water			100	7732-18-5
Find Draw Duffer				
End Prep Buffer				
Magnesium chloride			<2.5	7786-30-3
End Prep Enzyme				
Glycerol			≥30 - ≤60	56-81-5
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Section 3. Composition and ingredient infor	mation	
Ligation Buffer		
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	25322-68-3
Ligation Enzyme		
Glycerol	≥30 - ≤60	56-81-5
Hyb Buffer		
tetramethylammonium chloride	≥10 - <15	75-57-0
Hyb Enhancer		
Formamide	≥90	75-12-7
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	≤5	25322-68-3
Soft Conversion Reagent A		
tetrahydro-2-furylmethanol	≥90	97-99-4
Library Wash Buffer		
Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated	≥10 - ≤30	25322-68-3
Soft Conversion Reagent B		
ammonium hydrogensulphite	≥60 - ≤75	10192-30-0
Soft Conversion Binding Beads		
Ethanol	≥60 - ≤75	64-17-5
Guanidinium thiocyanate	≥10 - ≤21	593-84-0
Poly(oxy-1,2-ethanediyl), .alpha[(1,1,3,3-tetramethylbutyl)phenyl] omegahydroxy-	≤6.5	9036-19-5
Library Binding Beads		

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

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

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

Poly(oxy-1,2-ethanediyl), α -hydro- ω -hydroxy- Ethane-1,2-diol, ethoxylated

≥10 - ≤30

25322-68-3

Description of necessary f	first aid measures	
Eye contact	: Nuclease-Free Water	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	End Prep 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
	End Prep Enzyme	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,
	Ligation 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
	Ligation Enzyme	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
	Adapter for ILM	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
	Hyb Blocker	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
	Hyb 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. Continue
	Hyb Enhancer	to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue
	Soft Conversion Reagent A	to rinse for at least 10 minutes. 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
	2X Methyl Amplification Mastermix	to rinse for at least 10 minutes. 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 medical attention if irritation occurs.
	Library Wash Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	Hyb Wash Buffer 1	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
	Hyb Wash Buffer 2	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get
	Soft Conversion Reagent B	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
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		to rinse for at least 10 minutes. Get medical attention.
	Soft Conversion Binding	Get medical attention immediately. Call a poison
	Beads	center or physician. 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.
		Chemical burns must be treated promptly by a
		physician.
	5X Soft Conversion Wash	Immediately flush eyes with plenty of water,
	Buffer	occasionally lifting the upper and lower eyelids.
		Check for and remove any contact lenses. Get
		medical attention if irritation occurs.
	Soft Conversion Elution	Get medical attention immediately. Call a poison
	Buffer	center or physician. 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.
		Chemical burns must be treated promptly by a
		physician.
	Soft Conversion Repair	Immediately flush eyes with plenty of water,
	Solution	occasionally lifting the upper and lower eyelids.
		Check for and remove any contact lenses. Get
		medical attention if irritation occurs.
	Library Binding Beads	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.
	Capture Beads	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.
	Avida Index Primer Pairs	Immediately flush eyes with plenty of water,
	1-96 for ILM	occasionally lifting the upper and lower eyelids.
	1-96 for ILM	Check for and remove any contact lenses. Get
	1-96 for ILM	
Inhalation :	1-96 for ILM Nuclease-Free Water	Check for and remove any contact lenses. Get
Inhalation :		Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical
Inhalation :	Nuclease-Free Water	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Inhalation :		Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a
Inhalation :	Nuclease-Free Water	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of
Inhalation :	Nuclease-Free Water	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of inhalation of decomposition products in a fire,
Inhalation :	Nuclease-Free Water	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person
Inhalation :	Nuclease-Free Water	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.
Inhalation :	Nuclease-Free Water	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove victim to fresh air and keep at rest in a
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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,
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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.
Inhalation :	Nuclease-Free Water End Prep Buffer	 Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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.
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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
Inhalation :	Nuclease-Free Water End Prep Buffer End Prep Enzyme	 Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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.
Inhalation :	Nuclease-Free Water End Prep Buffer	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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. Remove victim to fresh air and keep at rest in a
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Inhalation :	Nuclease-Free Water End Prep Buffer End Prep Enzyme	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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. 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
Inhalation :	Nuclease-Free Water End Prep Buffer End Prep Enzyme	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be
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Inhalation :	Nuclease-Free Water End Prep Buffer End Prep Enzyme	Check for and remove any contact lenses. Get medical attention if irritation occurs. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. 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. 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.
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	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.
Adapter for ILM	Remove victim to fresh air and keep at rest in a
	position comfortable for breathing. Get medical
	attention if symptoms occur.
Hyb Blocker	Remove victim to fresh air and keep at rest in a
,	position comfortable for breathing. Get medical
	attention if symptoms occur.
Hyb Buffer	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 necessary, call a poison
	center or physician. If unconscious, place in recovery
	position and get medical attention immediately.
	Maintain an open airway. Loosen tight clothing such
	as a collar, tie, belt or waistband. In case of
	inhalation of decomposition products in a fire,
	symptoms may be delayed. The exposed person
	may need to be kept under medical surveillance for
Lub Enhancer	48 hours.
Hyb Enhancer	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 unconscious, place in
	recovery position and get medical attention
	immediately. Maintain an open airway. Loosen tight
	clothing such as a collar, tie, belt or waistband. In
	case of inhalation of decomposition products in a fire,
	symptoms may be delayed. The exposed person
	may need to be kept under medical surveillance for
	48 hours.
Soft Conversion Reagent A	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 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.
2X Methyl Amplification	Remove victim to fresh air and keep at rest in a
Mastermix	position comfortable for breathing. Get medical
	attention if symptoms occur.
Library Wash Buffer	Remove victim to fresh air and keep at rest in a
,	position comfortable for breathing. Get medical
	attention if symptoms occur.
Hyb Wash Buffer 1	Remove victim to fresh air and keep at rest in a
,	position comfortable for breathing. Get medical
	attention if symptoms occur.

medsures	
Hyb Wash Buffer 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical
Soft Conversion Reagent B	attention if symptoms occur. 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. 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.
Soft Conversion Binding Beads	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self- contained breathing apparatus. 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. If
5X Soft Conversion Wash	unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Soft Conversion Elution Buffer	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self- contained breathing apparatus. 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. 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.
Soft Conversion Repair Solution	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.
Library Binding Beads	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Capture Beads	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

	Avida Index Primer Pairs 1-96 for ILM	attention if symptoms occur. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact :	Nuclease-Free Water	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	End Prep Buffer	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	End Prep Enzyme	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
	Ligation Buffer	before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	Ligation Enzyme	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
	Adapter for ILM	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.
	Hyb Blocker	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	Hyb Buffer	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue
	Hyb Enhancer	to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water.
		Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Soft Conversion Reagent A	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly
	2X Methyl Amplification Mastermix	before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Library Wash Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Hyb Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	Hyb Wash Buffer 2	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	Soft Conversion Reagent B	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

	Soft Conversion Binding Beads	before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	5X Soft Conversion Wash Buffer	before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
	Soft Conversion Elution Buffer	medical attention if symptoms occur. Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Soft Conversion Repair	Flush contaminated skin with plenty of water.
	Solution	Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Library Binding Beads	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Capture Beads	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Avida Index Primer Pairs 1-96 for ILM	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion :	Nuclease-Free Water	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.
	End Prep 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.
	End Prep Enzyme	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. 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
	Ligation Enzyme	personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed

	person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that
	vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never
	give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Adapter for ILM	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.
Hyb Blocker	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
Hyb Buffer	personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to
	drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.
	If necessary, call a poison center or physician. 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.
Hyb Enhancer	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. 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.
Soft Conversion Reagent A	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.
	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,
2X Methyl Amplification	tie, belt or waistband. Wash out mouth with water. If material has been

u	illeasules	
	Mastermix	swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce
	Library Wash Buffer	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
	Hyb Wash Buffer 1	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
	Hyb Wash Buffer 2	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
	Soft Conversion Reagent B	personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
	Soft Conversion Binding Beads	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. 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 Soft Conversion Wash 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.
	Soft Conversion Elution Buffer	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a

		physician. 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
	Coff Conversion Densin	clothing such as a collar, tie, belt or waistband.
	Soft Conversion Repair Solution	Wash out mouth with water. If material has been
	Solution	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.
	Library Binding Beads	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.
	Capture Beads	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
	Avida Index Primer Pairs	personnel. Get medical attention if symptoms occur. Wash out mouth with water. If material has been
	1-96 for ILM	swallowed and the exposed person is conscious, give
		small quantities of water to drink. Do not induce
		vomiting unless directed to do so by medical
		personnel. Get medical attention if symptoms occur.
Most important symptoms/effe	cts, acute and delayed	
Potential acute health effects		
Eye contact	Nuclease-Free Water	No known significant effects or critical hazards.
-	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	Causes eye irritation.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	Causes eye irritation.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	No known significant effects or critical hazards.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A 2X Methyl Amplification	Causes serious eye irritation. No known significant effects or critical hazards.
	Mastermix	No known significant effects of childa hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	Causes serious eye irritation.
	Soft Conversion Binding	Causes serious eye damage.
	Beads	
	5X Soft Conversion Wash	No known significant effects or critical hazards.

Causes serious eye damage.

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.

Soft Conversion Elution

Soft Conversion Repair

Library Binding Beads

Avida Index Primer Pairs

Capture Beads

1-96 for ILM

Buffer

Solution

	measures	
Inhalation	Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	Causes damage to organs following a single
	5	exposure if inhaled.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification	No known significant effects or critical hazards.
	Mastermix	5
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Ŵash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding	Corrosive to the respiratory tract. Causes burns.
	Beads	
	5X Soft Conversion Wash	No known significant effects or critical hazards.
	Buffer	5
	Soft Conversion Elution	No known significant effects or critical hazards.
	Buffer	5
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs	No known significant effects or critical hazards.
	1-96 for ILM	Ū.
Skin contact	Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	Causes damage to organs following a single
	-	exposure in contact with skin. Causes skin irritation.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification	No known significant effects or critical hazards.
	Mastermix	
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding Beads	Causes severe burns.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	Causes severe burns.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs	No known significant effects or critical hazards.
	1-96 for ILM	~

Section 4. Thist a		
Ingestion	: Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer End Prep Enzyme	No known significant effects or critical hazards. No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	Harmful if swallowed. Causes damage to organs
		following a single exposure if swallowed.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B Soft Conversion Binding	No known significant effects or critical hazards. Corrosive to the digestive tract. Causes burns.
	Beads	Contraite to the digestive tract. Causes burns.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	No known significant effects or critical hazards.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs 1-96 for ILM	No known significant effects or critical hazards.
Over-exposure signs/symp	<u>otoms</u>	
Eye contact	: Nuclease-Free Water	No specific data.
	End Prep Buffer End Prep Enzyme	No specific data. Adverse symptoms may include the following: irritation watering redness
	Ligation Buffer	No specific data.
	Ligation Enzyme	Adverse symptoms may include the following: irritation watering redness
	Adapter for ILM	No specific data.
	Hyb Blocker	No specific data.
	Hyb Buffer	Adverse symptoms may include the following: pain or irritation watering
	Hyb Enhancer	redness No specific data.
	Soft Conversion Reagent A	Adverse symptoms may include the following:
	g	pain or irritation
		watering
	2X Methyl Amplification Mastermix	redness No specific data.
	Library Wash Buffer	No specific data.
	Hyb Wash Buffer 1	No specific data.
	Hyb Wash Buffer 2	No specific data.
	Soft Conversion Reagent B	Adverse symptoms may include the following: pain or irritation watering
	Soft Conversion Rinding	redness
	Soft Conversion Binding	Adverse symptoms may include the following:
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	Deede	
	Beads	nein
		pain
		watering
	EX Soft Conversion Weeh	redness
	5X Soft Conversion Wash Buffer	No specific data.
	Soft Conversion Elution Buffer	Adverse symptoms may include the following:
		pain
		watering
		redness
	Soft Conversion Repair	No specific data.
	Solution	
	Library Binding Beads	No specific data.
	Capture Beads	No specific data.
	Avida Index Primer Pairs	No specific data.
Inhalation	1-96 for ILM Nuclease-Free Water	No specific data.
Innalation	End Prep Buffer	No specific data.
	End Prep Enzyme	No specific data.
	Ligation Buffer	No specific data.
	Ligation Enzyme	No specific data.
	Adapter for ILM	No specific data.
	Hyb Blocker	No specific data.
	Hyb Buffer	No specific data.
	Hyb Enhancer	Adverse symptoms may include the following:
		reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	Soft Conversion Reagent A	Adverse symptoms may include the following:
	Cont Conversion Reagonity	reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	2X Methyl Amplification	No specific data.
	Mastermix	•
	Library Wash Buffer	No specific data.
	Hyb Wash Buffer 1	No specific data.
	Hyb Wash Buffer 2	No specific data.
	Soft Conversion Reagent B	No specific data.
	Soft Conversion Binding Beads	Adverse symptoms may include the following:
		respiratory tract irritation
		coughing
	5X Soft Conversion Wash Buffer	No specific data.
	Soft Conversion Elution Buffer	No specific data.
	Soft Conversion Repair Solution	No specific data.
	Library Binding Beads	No specific data.
	Capture Beads	No specific data.
	Avida Index Primer Pairs 1-96 for ILM	No specific data.
Skin contact	Nuclease-Free Water	No specific data.
	End Prep Buffer	No specific data.
	End Prep Enzyme	No specific data.
	Ligation Buffer	No specific data.
	Ligation Enzyme	No specific data.
	Adapter for ILM	No specific data.
	Hyb Blocker	No specific data.
	Hyb Buffer	Adverse symptoms may include the following: irritation
		redness

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	u measures		
	Hyb Enhancer	Adverse symptoms may inc reduced foetal weight	clude the following:
		increase in foetal deaths	
		skeletal malformations	
	Soft Conversion Reagent A	Adverse symptoms may inc	clude the following:
	5	reduced foetal weight	0
		increase in foetal deaths	
		skeletal malformations	
	2X Methyl Amplification	No specific data.	
	Mastermix		
	Library Wash Buffer	No specific data.	
	Hyb Wash Buffer 1	No specific data.	
	Hyb Wash Buffer 2	No specific data.	
	Soft Conversion Reagent B		aluda tha fallouring.
	Soft Conversion Binding	Adverse symptoms may inc	side the following:
	Beads	and the second sector of the state of	
		pain or irritation	
		redness	
		blistering may occur	
	5X Soft Conversion Wash	No specific data.	
	Buffer		
	Soft Conversion Elution Buffer	Adverse symptoms may inc	clude the following:
		pain or irritation	
		redness	
		blistering may occur	
	Soft Conversion Repair	No specific data.	
	Solution		
	Library Binding Beads	No specific data.	
	Capture Beads	No specific data.	
	Avida Index Primer Pairs	No specific data.	
	1-96 for ILM		
Ingestion	: Nuclease-Free Water	No specific data.	
0	End Prep Buffer	No specific data.	
	End Prep Enzyme	No specific data.	
	Ligation Buffer	No specific data.	
	Ligation Enzyme	No specific data.	
	Adapter for ILM	No specific data.	
	Hyb Blocker	No specific data.	
	Hyb Buffer	No specific data.	
	Hyb Enhancer	Adverse symptoms may inc	clude the following:
	Tryb Enhancer	reduced foetal weight	idde the following.
		increase in foetal deaths	
	Coff Conversion Decreat A	skeletal malformations	luda tha fallouingu
	Soft Conversion Reagent A	Adverse symptoms may inc	sidde the following.
		reduced foetal weight	
		increase in foetal deaths	
		skeletal malformations	
	2X Methyl Amplification Mastermix	No specific data.	
	Library Wash Buffer	No specific data.	
	Hyb Wash Buffer 1	No specific data.	
	Hyb Wash Buffer 2	No specific data.	
	Soft Conversion Reagent B	No specific data.	
	Soft Conversion Binding	Adverse symptoms may inc	clude the following:
	Beads	Adverse symptoms may me	nude the following.
	Dougo	stomach pains	
	5X Soft Conversion Wash	No specific data.	
	Buffer		
	Soft Conversion Elution	Adverse symptoms may inc	lude the following:
	Buffer	, averse symptoms may me	
	Danoi	stomach pains	
	Soft Conversion Repair	No specific data.	
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Solution Library Binding Beads Capture Beads Avida Index Primer Pairs 1-96 for ILM

No specific data. No specific data. No specific data.

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

Notes to physician :	Nuclease-Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	End Prep 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.
	End Prep Enzyme	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Ligation 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.
	Ligation Enzyme	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Adapter for ILM	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Hyb Blocker	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Hyb 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.
	Hyb Enhancer	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.
	Soft Conversion Reagent A	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	2X Methyl Amplification Mastermix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Library Wash Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Hyb Wash Buffer 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Hyb Wash Buffer 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Soft Conversion Reagent B	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.
	Soft Conversion Binding Beads	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	5X Soft Conversion Wash	Treat symptomatically. Contact poison treatment

	Buffer	specialist immediately if large quantities have been ingested or inhaled.
	Soft Conversion Elution	Treat symptomatically. Contact poison treatment
	Buffer	specialist immediately if large quantities have been
		ingested or inhaled.
	Soft Conversion Repair	In case of inhalation of decomposition products in a
	Solution	fire, symptoms may be delayed. The exposed
		person may need to be kept under medical
		surveillance for 48 hours.
	Library Binding Beads	Treat symptomatically. Contact poison treatment
		specialist immediately if large quantities have been
	Orighting Decide	ingested or inhaled.
	Capture Beads	Treat symptomatically. Contact poison treatment
		specialist immediately if large quantities have been ingested or inhaled.
	Avida Index Primer Pairs	Treat symptomatically. Contact poison treatment
	1-96 for ILM	specialist immediately if large quantities have been
Specific treatments	: Nuclease-Free Water	Ngesteeline inhalinent.
	End Prep Buffer	No specific treatment.
	End Prep Enzyme	No specific treatment.
	Ligation Buffer	No specific treatment.
	Ligation Enzyme	No specific treatment.
	Adapter for ILM	No specific treatment.
	Hyb Blocker	No specific treatment.
	Hyb Buffer Hyb Enhancer	No specific treatment. No specific treatment.
	Soft Conversion Reagent A	
	2X Methyl Amplification	No specific treatment.
	Mastermix	
	Library Wash Buffer	No specific treatment.
	Hyb Wash Buffer 1	No specific treatment.
	Hyb Wash Buffer 2	No specific treatment.
	Soft Conversion Reagent B	
	Soft Conversion Binding	No specific treatment.
	Beads 5X Soft Conversion Wash	No operific treatment
	Buffer	No specific treatment.
	Soft Conversion Elution	No specific treatment.
	Buffer	No en esifie treetre ent
	Soft Conversion Repair Solution	No specific treatment.
	Library Binding Beads	No specific treatment.
	Capture Beads	No specific treatment.
	Avida Index Primer Pairs	No specific treatment.
	1-96 for ILM	
Protection of first-aiders	: Nuclease-Free Water	No action shall be taken involving any personal risk
		or without suitable training.
	End Prep Buffer	No action shall be taken involving any personal risk
	End Prep Enzyme	or without suitable training. No action shall be taken involving any personal risk
	спа гтер спауше	or without suitable training. It may be dangerous to
		the person providing aid to give mouth-to-mouth
		resuscitation.
	Ligation Buffer	No action shall be taken involving any personal risk
	-	or without suitable training.
	Ligation Enzyme	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
	Adaptor for UNA	resuscitation.
	Adapter for ILM	No action shall be taken involving any personal risk or without suitable training.
	Hyb Blocker	No action shall be taken involving any personal risk
		or without suitable training.
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Hyb Buffer	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.
Hyb Enhancer	No action shall be taken involving any personal risk or without suitable training. If it is suspected that
	fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing
	apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Soft Conversion Reagent A	No action shall be taken involving any personal risk or without suitable training. If it is suspected that
	fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing
	apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
2X Methyl Amplification	No action shall be taken involving any personal risk
Mastermix Library Wash Buffer	or without suitable training. No action shall be taken involving any personal risk
	or without suitable training.
Hyb Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
Hyb Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
Soft Conversion Reagent B	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.
Soft Conversion Binding Beads	No action shall be taken involving any personal risk
Deaus	or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an
	appropriate mask or self-contained breathing apparatus. It may be dangerous to the person
	providing aid to give mouth-to-mouth resuscitation.
	Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
5X Soft Conversion Wash Buffer	No action shall be taken involving any personal risk or without suitable training.
Soft Conversion Elution	No action shall be taken involving any personal risk
Buffer	or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an
	appropriate mask or self-contained breathing
	apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Soft Conversion Repair	No action shall be taken involving any personal risk
Solution Library Binding Beads	or without suitable training. No action shall be taken involving any personal risk or without suitable training
Capture Beads	or without suitable training. No action shall be taken involving any personal risk or without suitable training
Avida Index Primer Pairs 1-96 for ILM	or without suitable training. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Suitable extinguishing media : Nuclease-Free Water Use an extinguishing agent suitable for the surrounding free. End Prep Buffer Use an extinguishing agent suitable for the surrounding free. Ligation Buffer Use an extinguishing agent suitable for the surrounding free. Ligation Enzyme Use an extinguishing agent suitable for the surrounding free. Ligation Enzyme Use an extinguishing agent suitable for the surrounding free. Hyb Blocker Use an extinguishing agent suitable for the surrounding free. Hyb Buffer Use an extinguishing agent suitable for the surrounding free. Hyb Buffer Use an extinguishing agent suitable for the surrounding free. Hyb Wash Buffer Use an extinguishing agent suitable for the surrounding free. Library Wash Buffer 1 Use an extinguishing agent suitable for the surrounding free. Hyb Wash Buffer 2 Use an extinguishing agent suitable for the surrounding free. Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding free. Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding free. Library Wash Buffer 1 Use an extinguishing agent suitable for the surrounding free. Library Binding Beads Soft Conversion Reagent B Soft Conversion Reagent B Use an extinguishing agent su	<u>Extinguishing media</u>			
End Prep BufferUse an extinguishing agent suitable for the surrounding fire.Ligation BufferUse an extinguishing agent suitable for the surrounding fire.Ligation EnzymeUse an extinguishing agent suitable for the surrounding fire.Adapter for ILMUse an extinguishing agent suitable for the surrounding fire.Hyb BlockerUse an extinguishing agent suitable for the surrounding fire.Hyb BufferUse an extinguishing agent suitable for the surrounding fire.Hyb BufferUse an extinguishing agent suitable for the surrounding fire.Library Wash BufferUse an extinguishing agent suitable for the surrounding fire.Library Wash BufferUse an extinguishing agent suitable for the surrounding fire.Library Wash Buffer 2Use an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent A Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Unsuitable extinguishingImagent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing		:	Nuclease-Free Water	
End Prep EnzymeUse an extinguishing agent suitable for the surrounding fire.Ligation BufferUse an extinguishing agent suitable for the surrounding fire.Adapter for ILMUse an extinguishing agent suitable for the surrounding fire.Hyb BlockerUse an extinguishing agent suitable for the surrounding fire.Hyb BufferUse an extinguishing agent suitable for the surrounding fire.Hyb EnhancerUse an extinguishing agent suitable for the surrounding fire.Hyb EnhancerUse an extinguishing agent suitable for the surrounding fire.Hyb EnhancerUse an extinguishing agent suitable for the surrounding fire.Library Wash BufferUse an extinguishing agent suitable for the surrounding fire.Library Wash Buffer 1Use an extinguishing agent suitable for the surrounding fire.Hyb Wash Buffer 2Use an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent B BufferUse an extinguishing agent suitable for the surrounding fire.Library Binding BeadsUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent A Library Binding BeadsUse an extinguishing agent suitable for the surrounding fire.Library Binding BeadsUse an extinguishing agent suitable for the surrounding f			End Prep Buffer	Use an extinguishing agent suitable for the
Ligation Buffer Use an extinguishing agent suitable for the surrounding fire. Ligation Enzyme Use an extinguishing agent suitable for the surrounding fire. Adapter for ILM Use an extinguishing agent suitable for the surrounding fire. Hyb Blocker Use an extinguishing agent suitable for the surrounding fire. Hyb Enhancer Use an extinguishing agent suitable for the surrounding fire. Hyb Enhancer Use an extinguishing agent suitable for the surrounding fire. Library Wash Buffer Use an extinguishing agent suitable for the surrounding fire. Library Wash Buffer Use an extinguishing agent suitable for the surrounding fire. Hyb Wash Buffer 1 Use an extinguishing agent suitable for the surrounding fire. Boft Conversion Reagent B Soft Conversion Reagent B Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagert B Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagert B Use an extinguishing agent suitable for the surrounding fire. Unsuitable extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagert Use an extingu			End Prep Enzyme	Use an extinguishing agent suitable for the
Ligation EnzymeUse an extinguishing agent suitable for the surrounding fire.Adapter for ILMUse an extinguishing agent suitable for the surrounding fire.Hyb BlockerUse an extinguishing agent suitable for the surrounding fire.Hyb EnhancerUse an extinguishing agent suitable for the surrounding fire.Hyb EnhancerUse an extinguishing agent suitable for the surrounding fire.Hyb EnhancerUse an extinguishing agent suitable for the surrounding fire.Library Wash BufferUse an extinguishing agent suitable for the surrounding fire.Hyb Wash Buffer 1Use an extinguishing agent suitable for the surrounding fire.Hyb Wash Buffer 2Use an extinguishing agent suitable for the surrounding fire.Hyb Wash Buffer 2Use an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent BUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent BUse an extinguishing agent suitable for the surrounding fire.Soft Conversion RepairUse an extinguishing agent suitable for the surrounding fire.Soft Conversion RepairUse an extinguishing agent suitable for the surrounding fire.Unsuitable extinguishing agent suitable for the surrounding fire.Use an extinguishing agent suitable for the surrounding fire.Unsuitable extinguishing agent suitable for the surrounding fire.Use an extinguishing agent suitable for the surrounding fire.Unsuitable extinguishing agent suitable for the surrounding fire.Use an extinguishing agent suitable for the surrounding fire.Unsuit			Ligation Buffer	Use an extinguishing agent suitable for the
Unsuitable extinguishing agent suitable for the surrounding fire. Hyb Blocker Use an extinguishing agent suitable for the surrounding fire. Hyb Buffer Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagent A Use why chemical, CO ₂ , water spray (fog) or foam. 2X Methyl Amplification Mastermix Use an extinguishing agent suitable for the surrounding fire. Hyb Wash Buffer Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Hyb Wash Buffer 1 Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Unsuitable extinguishing Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Unsuitable extinguishing Soft Conversion Reagent B Use an extinguishing agent suitable for the surrounding fire. Unsuitable extinguishing agent suitable for the surrounding fire. Use			Ligation Enzyme	Use an extinguishing agent suitable for the
Hyb BlockerUse an extinguishing agent suitable for the surrounding fire.Hyb BufferUse an extinguishing agent suitable for the surrounding fire.Hyb EnhancerUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent AUse dry chemical, CO ₂ , water spray (fog) or foam. Use an extinguishing agent suitable for the surrounding fire.Library Wash BufferUse an extinguishing agent suitable for the surrounding fire.Hyb Wash BufferUse an extinguishing agent suitable for the surrounding fire.Hyb Wash Buffer 1Use an extinguishing agent suitable for the surrounding fire.Hyb Wash Buffer 2Use an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent BUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent BUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent BUse an extinguishing agent suitable for the surrounding fire.Soft Conversion Reagent BUse an extinguishing agent suitable for the surrounding fire.Library Binding BeadsUse an extinguishing agent suitable for the surrounding fire.Capture BeadsUse an extinguishing agent suitable for the surrounding fire.Unsuitable extinguishing igation BufferNone known.Avida Index Primer Pairs 1-96 for ILMNone known.Lipation BufferNone known.Lipation BufferNone known.Hyb Buffer 1None known.Hyb Buffer 1None known.Hyb Buffer 1None known.Hyb Buffer			Adapter for ILM	Use an extinguishing agent suitable for the
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materials:		Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
		materials:

	<u> </u>	
		halogenated compounds
	Hyb Wash Buffer 2	metal oxide/oxides No specific data.
	Soft Conversion Reagent B	Decomposition products may include the following materials:
		nitrogen oxides
	Soft Conversion Binding	sulfur oxides Decomposition products may include the following
	Beads	materials:
		carbon dioxide carbon monoxide
		nitrogen oxides
	5X Soft Conversion Wash	sulfur oxides No specific data.
	Buffer	
	Soft Conversion Elution Buffer	No specific data.
	Soft Conversion Repair Solution	Decomposition products may include the following materials:
		carbon dioxide
		carbon monoxide nitrogen oxides
		halogenated compounds
	Library Binding Beads	Decomposition products may include the following materials:
		carbon dioxide
		carbon monoxide
		halogenated compounds metal oxide/oxides
	Capture Beads	No specific data.
	Avida Index Primer Pairs 1-96 for ILM	No specific data.
Special protective actions	: Nuclease-Free Water	Promptly isolate the scene by removing all persons
for fire-fighters		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 Prep 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.
	End Prep Enzyme	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
	Ligation Buffer	without suitable training. Promptly isolate the scene by removing all persons
	Ligation Daniel	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 Enzyme	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.
	Adapter for ILM	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.
	Hyb Blocker	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
	Hyb Buffer	without suitable training.
		Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No
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	action shall be taken involving any personal risk or
	without suitable training.
Hyb Enhancer	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.
Soft Conversion Reagent A	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. Move containers from fire
	area if this can be done without risk. Use water spray
	to keep fire-exposed containers cool.
2X Methyl Amplification	Promptly isolate the scene by removing all persons
Mastermix	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.
Library Wash 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.
Hyb 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
Hyb Wash Ruffer 2	without suitable training. Promptly isolate the scene by removing all persons
Hyb Wash Buffer 2	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.
Soft Conversion Reagent B	Promptly isolate the scene by removing all persons
g	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.
Soft Conversion Binding	Promptly isolate the scene by removing all persons
Beads	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training. Move containers from fire
	area if this can be done without risk. Use water spray
	to keep fire-exposed containers cool.
5X Soft Conversion Wash	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.
Soft Conversion Elution	Promptly isolate the scene by removing all persons
Buffer	from the vicinity of the incident if there is a fire. No
Danei	action shall be taken involving any personal risk or
	without suitable training.
Soft Conversion Repair	Promptly isolate the scene by removing all persons
Solution	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.
Library Binding Beads	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
Conturo Roado	without suitable training.
Capture Beads	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.
Avida Index Primer Pairs	Promptly isolate the scene by removing all persons
1-96 for ILM	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
	without suitable training.

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Special protective equipment for fire-fighters	: Nuclease-Free Water	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	End Prep Buffer	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	End Prep Enzyme	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Ligation Buffer	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Ligation Enzyme	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Adapter for ILM	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Hyb Blocker	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Hyb Buffer	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Hyb Enhancer	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Soft Conversion Reagent A	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	2X Methyl Amplification Mastermix	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Library Wash Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Hyb 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.
	Hyb 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.
	Soft Conversion Reagent B	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Soft Conversion Binding Beads	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

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	5X Soft Conversion Wash Buffer Soft Conversion Elution Buffer Soft Conversion Repair	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective
	Solution	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Library Binding Beads	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Capture Beads	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Avida Index Primer Pairs 1-96 for ILM	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazchem code :	Nuclease-Free Water End Prep Buffer End Prep Enzyme Ligation Buffer Ligation Enzyme Adapter for ILM Hyb Blocker Hyb Buffer Hyb Enhancer Soft Conversion Reagent A 2X Methyl Amplification Mastermix Library Wash Buffer Hyb Wash Buffer 1 Hyb Wash Buffer 1 Hyb Wash Buffer 1 Hyb Wash Buffer 2 Soft Conversion Reagent B Soft Conversion Reagent B Soft Conversion Reagent B Soft Conversion Binding Beads 5X Soft Conversion Wash Buffer Soft Conversion Elution Buffer Soft Conversion Repair Solution Library Binding Beads Capture Beads Avida Index Primer Pairs 1-96 for ILM	Not available. Not available. SWE Not available. 2X Not available. Not available.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency	: Nuclease-Free Water	No action shall be taken involving any personal risk
personnel		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Put on appropriate personal
		protective equipment.
	End Prep Buffer	No action shall be taken involving any personal risk
		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Put on appropriate personal
		protective equipment.
	End Prep Enzyme	
	Ella Flep Elizyille	No action shall be taken involving any personal risk
		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Avoid breathing vapour or mist.
		Provide adequate ventilation. Wear appropriate
		respirator when ventilation is inadequate. Put on
		appropriate personal protective equipment.
	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 spilt material. Put on appropriate personal
		protective equipment.
	Ligation Enzyme	No action shall be taken involving any personal risk
		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Avoid breathing vapour or mist.
		Provide adequate ventilation. Wear appropriate
		respirator when ventilation is inadequate. Put on
		appropriate personal protective equipment.
	Adapter for ILM	No action shall be taken involving any personal risk
		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Put on appropriate personal
	List Dississ	protective equipment.
	Hyb Blocker	No action shall be taken involving any personal risk
		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Put on appropriate personal
		protective equipment.
	Hyb Buffer	No action shall be taken involving any personal risk
		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Avoid breathing vapour or mist.
		Provide adequate ventilation. Wear appropriate
		respirator when ventilation is inadequate. Put on
		appropriate personal protective equipment.
	Hyb Enhancer	No action shall be taken involving any personal risk
		or without suitable training. Evacuate surrounding
		areas. Keep unnecessary and unprotected
		personnel from entering. Do not touch or walk
		through spilt material. Avoid breathing vapour or mist.
		Provide adequate ventilation. Wear appropriate
		respirator when ventilation is inadequate. Put on
		appropriate personal protective equipment.
	Soft Conversion Reagent A	No action shall be taken involving any personal risk

	or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilt material. Shut off all ignition sources.
	No flares, smoking or flames in hazard area. Avoid
	breathing vapour or mist. Provide adequate
	ventilation. Wear appropriate respirator when
	ventilation is inadequate. Put on appropriate
OV Mathed Amerification	personal protective equipment.
2X Methyl Amplification Mastermix	No action shall be taken involving any personal risk
Mastermix	or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilt material. Put on appropriate personal
	protective equipment.
Library Wash Buffer	No action shall be taken involving any personal risk
	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilt material. Put on appropriate personal
	protective equipment.
Hyb Wash Buffer 1	No action shall be taken involving any personal risk
	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilt material. Put on appropriate personal
	protective equipment.
Hyb Wash Buffer 2	No action shall be taken involving any personal risk
	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk
	through spilt material. Put on appropriate personal
	protective equipment.
Soft Conversion Reagent B	No action shall be taken involving any personal risk
······································	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilt material. Avoid breathing vapour or mist.
	Provide adequate ventilation. Wear appropriate
	respirator when ventilation is inadequate. Put on
	appropriate personal protective equipment.
Soft Conversion Binding	No action shall be taken involving any personal risk
Beads	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk
	through spilt material. Shut off all ignition sources.
	No flares, smoking or flames in hazard area. Do not
	breathe vapour or mist. Provide adequate ventilation.
	Wear appropriate respirator when ventilation is
	inadequate. Put on appropriate personal protective
	equipment.
5X Soft Conversion Wash	No action shall be taken involving any personal risk
Buffer	or without suitable training. Evacuate surrounding
	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilt material. Put on appropriate personal
	protective equipment.
Soft Conversion Elution Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding
Duilei	areas. Keep unnecessary and unprotected
	personnel from entering. Do not touch or walk
	through spilt material. Do not breathe vapour or mist.
	Provide adequate ventilation. Wear appropriate

	Soft Conversion Repair Solution	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 spilt material. Put on appropriate personal protective equipment.
	Library Binding Beads	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected
	Capture Beads	personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal
	Avida Index Primer Pairs 1-96 for ILM	protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders :	Nuclease-Free Water	If specialised clothing is required to deal with the
	End Prep Buffer	spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the
	End Prep Enzyme	information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on
	Ligation Buffer	suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on avitable and unsuitable materials.
	Ligation Enzyme	suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the
	Adapter for ILM	information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on
	Hyb Blocker	suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the
	Hyb Buffer	information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on
	Hyb Enhancer	suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the
	Soft Conversion Reagent A	information in "For non-emergency personnel". If specialised clothing is required to deal with the

		spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	2X Methyl Amplification Mastermix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Library Wash Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the
	Hyb Wash Buffer 1	information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Hyb Wash Buffer 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Soft Conversion Reagent B	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Soft Conversion Binding Beads	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	5X Soft Conversion Wash Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Soft Conversion Elution Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Soft Conversion Repair Solution	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Library Binding Beads	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Capture Beads	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the
	Avida Index Primer Pairs 1-96 for ILM	information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions :	Nuclease-Free Water	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, call ar air)
	End Prep Buffer	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

spillage, take note of any information in Section 8 on

End Prep Enzyme	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Ligation Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Ligation Enzyme	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
Adapter for ILM	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Hyb Blocker	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Hyb Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful
Hyb Enhancer	to the environment if released in large quantities. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Soft Conversion Reagent A	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
2X Methyl Amplification Mastermix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Library Wash Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
Hyb Wash Buffer 1	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
Hyb Wash Buffer 2	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
Soft Conversion Reagent B	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

		Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Soft Conversion Binding Beads	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful
	5X Soft Conversion Wash Buffer	to the environment if released in large quantities. Collect spillage. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	Soft Conversion Elution Buffer	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	Soft Conversion Repair Solution	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	Library Binding Beads	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	Capture Beads	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	Avida Index Primer Pairs 1-96 for ILM	soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and material for conta	inment and cleaning up	
	Nuclease-Free Water	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
	End Prep Buffer	disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste
	End Prep Enzyme	disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste
	Ligation Buffer	disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an

	inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Ligation Enzyme	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
Adapter for ILM	disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.
Hyb Blocker	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. 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
Hyb Buffer	disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an
	inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Hyb Enhancer	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
Soft Conversion Reagent A	disposal contractor. Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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
2X Methyl Amplification Mastermix	waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste
Library Wash Buffer	disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste
Hyb Wash Buffer 1	disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an
Hyb Wash Buffer 2	inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste

	disposal contractor.
Soft Conversion Reagent B	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.
Soft Conversion Binding	Stop leak if without risk. Move containers from spill
Beads	area. Use spark-proof tools and explosion-proof
	equipment. 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 Soft Conversion Wash	Stop leak if without risk. Move containers from spill
Buffer	area. Dilute with water and mop up if water-soluble.
	Alternatively, or if water-insoluble, absorb with an
	inert dry material and place in an appropriate waste
	disposal container. Dispose of via a licensed waste
	disposal contractor.
Soft Conversion Elution	Stop leak if without risk. Move containers from spill
Buffer	area. Contain and collect spillage with non-
	combustible, absorbent material e.g. sand, earth,
	vermiculite or diatomaceous earth and place in
	container for disposal according to local regulations.
	Dispose of via a licensed waste disposal contractor.
Soft Conversion Repair	Stop leak if without risk. Move containers from spill
Solution	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.
Library Binding Beads	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.
Capture Beads	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.
Avida Index Primer Pairs	Stop leak if without risk. Move containers from spill
1-96 for ILM	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

Precaut	ions t	<u>for sa</u>	fe	handl	ing
Protec	tive n	neasu	reg		

: Nuclease-Free Water

End Prep Buffer

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 vapour or mist. Avoid release to the environment. 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

End Prep Enzyme	and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with
	eyes, skin and clothing. Avoid breathing vapour or
	mist. Keep in the original container or an approved
	alternative made from a compatible material, kept
	tightly closed when not in use. Empty containers
	retain product residue and can be hazardous. Do not
	reuse container.
Ligation Buffer	Put on appropriate personal protective equipment (see Section 8).
Ligation Enzyme	Put on appropriate personal protective equipment
Eigedion Enzyme	(see Section 8). Do not ingest. Avoid contact with
	eyes, skin and clothing. Avoid breathing vapour or
	mist. Keep in the original container or an approved
	alternative made from a compatible material, kept
	tightly closed when not in use. Empty containers
	retain product residue and can be hazardous. Do not
Adapter for ILM	reuse container. Put on appropriate personal protective equipment
	(see Section 8).
Hyb Blocker	Put on appropriate personal protective equipment
	(see Section 8).
Hyb Buffer	Put on appropriate personal protective equipment
	(see Section 8). Do not get in eyes or on skin or
	clothing. Do not breathe vapour or mist. Do not
	ingest. Avoid release to the environment. If during
	normal use the material presents a respiratory hazard, use only with adequate ventilation or wear
	appropriate respirator. 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.
Hyb Enhancer	Put on appropriate personal protective equipment
	(see Section 8). Avoid exposure - obtain special
	instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions
	have been read and understood. Do not get in eyes
	or on skin or clothing. Do not breathe vapour or mist.
	Do not ingest. If during normal use the material
	presents a respiratory hazard, use only with adequate
	ventilation or wear appropriate respirator. 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.
Soft Conversion Reagent A	Put on appropriate personal protective equipment
5	(see Section 8). Avoid exposure - obtain special
	instructions before use. Avoid exposure during
	pregnancy. Do not handle until all safety precautions
	have been read and understood. Do not get in eyes
	or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation.
	Wear appropriate respirator when ventilation is
	inadequate. Do not enter storage areas and confined
	spaces unless adequately ventilated. Keep in the
	original container or an approved alternative made
	from a compatible material, kept tightly closed when
	not in use. Store and use away from heat, sparks,
	open flame or any other ignition source. Use
	explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking
	material handling/ equipment. Use only non-sparking

	-	
		tools. Empty containers retain product residue and
	2X Methyl Amplification	can be hazardous. Do not reuse container. Put on appropriate personal protective equipment
	Mastermix	(see Section 8).
	Library Wash Buffer	Put on appropriate personal protective equipment
		(see Section 8).
	Hyb Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).
	Hyb Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).
	Soft Conversion Reagent B	Put on appropriate personal protective equipment
	-	(see Section 8). Do not ingest. Avoid contact with
		eyes, skin and clothing. Avoid breathing vapour or
		mist. Keep in the original container or an approved alternative made from a compatible material, kept
		tightly closed when not in use. Empty containers
		retain product residue and can be hazardous. Do not
		reuse container.
	Soft Conversion Binding Beads	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or
	Deads	clothing. Do not breathe vapour or mist. Do not
		ingest. Avoid release to the environment. Use only
		with adequate ventilation. Wear appropriate
		respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless
		adequately ventilated. Keep in the original container
		or an approved alternative made from a compatible
		material, kept tightly closed when not in use. Store
		and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical
		(ventilating, lighting and material handling) equipment.
		Use only non-sparking tools. Take precautionary
		measures against electrostatic discharges. Empty
		containers retain product residue and can be hazardous. Do not reuse container.
	5X Soft Conversion Wash	Put on appropriate personal protective equipment
	Buffer	(see Section 8).
	Soft Conversion Elution	Put on appropriate personal protective equipment
	Buffer	(see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not
		ingest. If during normal use the material presents a
		respiratory hazard, use only with adequate ventilation
		or wear appropriate respirator. Keep in the original
		container or an approved alternative made from a compatible material, kept tightly closed when not in
		use. Keep away from acids. Empty containers retain
		product residue and can be hazardous. Do not reuse
	Soft Conversion Repair	container. Put on appropriate personal protective equipment
	Solution	(see Section 8).
	Library Binding Beads	Put on appropriate personal protective equipment
	Capture Beads	(see Section 8). Put on appropriate personal protective equipment
		(see Section 8).
	Avida Index Primer Pairs 1-96 for ILM	Put on appropriate personal protective equipment (see Section 8).
:	Nuclease-Free Water	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.

Advice on general occupational hygiene

End Prep 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.
End Prep Enzyme	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.
Ligation 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.
Ligation Enzyme	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.
Adapter for ILM	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.
Hyb Blocker	Eating, drinking and smoking should be prohibited in
TIYD DIOCKEI	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.
Hyb 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.
Hyb Enhancer	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.
Soft Conversion Reagent A	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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	2X Methyl Amplification Mastermix	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
	Library Wash Buffer	before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove
	Hyb Wash Buffer 1	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
	Hyb Wash Buffer 2	before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face
	Soft Conversion Reagent B	before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove
	Soft Conversion Binding Beads	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
	5X Soft Conversion Wash Buffer	contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment
	Soft Conversion Elution Buffer	before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for
	Soft Conversion Repair Solution	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.

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	Library Binding Beads Capture Beads	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. 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
	Avida Index Primer Pairs 1-96 for ILM	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.
Conditions for safe storage, including any incompatibilities	: Nuclease-Free Water	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for
	End Prep 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for
	End Prep Enzyme	incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for
	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 unlabelled

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

	locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
2X Methyl Amplification Mastermix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and
	drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Library Wash Buffer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Hyb Wash Buffer 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Hyb Wash Buffer 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Soft Conversion Reagent B	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Soft Conversion Binding Beads	Store in accordance with local regulations. Store in a segregated and approved area. 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. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
5X Soft Conversion Wash Buffer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Soft Conversion Elution 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. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Soft Conversion Repair Solution	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for
Library Binding Beads	incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for
Capture Beads	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

Avida Index Primer Pairs 1-96 for ILM ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
End Prep Enzyme Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m³ 8 hours.
Ligation Buffer Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	DFG MAC-values list (Germany, 7/2023). PEAK: 400 mg/m³, 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m³ 8 hours. Form: inhalable fraction
Ligation Enzyme Glycerol	Safe Work Australia (Australia, 10/2022). TWA: 10 mg/m³ 8 hours.
Hyb Enhancer Formamide	Safe Work Australia (Australia, 10/2022). Absorbed through skin. TWA: 18 mg/m ³ 8 hours. TWA: 10 ppm 8 hours.
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	DFG MAC-values list (Germany, 7/2023). PEAK: 400 mg/m ³ , 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m ³ 8 hours. Form: inhalable fraction
Library Wash Buffer Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	DFG MAC-values list (Germany, 7/2023). PEAK: 400 mg/m³, 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m³ 8 hours. Form: inhalable fraction
Soft Conversion Binding Beads Ethanol	Safe Work Australia (Australia, 10/2022). TWA: 1880 mg/m³ 8 hours. TWA: 1000 ppm 8 hours.

Section 8. Exposure controls and personal protection

Library Binding Beads Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	DFG MAC-values list (Germany, 7/2023). PEAK: 400 mg/m ³ , 4 times per shift, 15 minutes. Form: inhalable fraction TWA: 200 mg/m ³ 8 hours. Form: inhalable fraction
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Biological exposure indices

No exposure indices known.

Appropriate engineering controls	 If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
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 measured	<u>ures</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Skin protection	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately

Section 9. Physical and chemical properties and safety characteristics

aspects of use.

before handling this product.

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

approved by a specialist before handling this product.

Appearance

Body protection

Other skin protection

Respiratory protection

estimated.

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: 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

selected based on the task being performed and the risks involved and should be

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

: Appropriate footwear and any additional skin protection measures should be

Physical state :	Nuclease-Free Water	Liquid.
	End Prep Buffer	Liquid.
	End Prep Enzyme	Liquid.
	Ligation Buffer	Liquid.
	Ligation Enzyme	Liquid.
	Adapter for ILM	Liquid.
	Hyb Blocker	Liquid.
	Hyb Buffer	Liquid.
	Hyb Enhancer	Liquid.
	Soft Conversion Reagent A	Liquid.
	2X Methyl Amplification Mastermix	Liquid. [Clear.]
	Library Wash Buffer	Liquid.
	Hyb Wash Buffer 1	Liquid.
	Hyb Wash Buffer 2	Liquid.
	Soft Conversion Reagent B	Liquid.
	Soft Conversion Binding Beads	Liquid.
	5X Soft Conversion Wash Buffer	Liquid.
	Soft Conversion Elution Buffer	Liquid.
	Soft Conversion Repair Solution	Liquid.
	Library Binding Beads	Liquid.
	Capture Beads	Liquid.
	Avida Index Primer Pairs 1-96 for ILM	Liquid.
Colour :	Nuclease-Free Water	Colourless.
	End Prep Buffer	Not available.
	End Prep Enzyme	Not available.
	Ligation Buffer	Not available.
	Ligation Enzyme	Not available.
	Adapter for ILM	Not available.
	Hyb Blocker	Not available.
	Hyb Buffer	Not available.
	Hyb Enhancer	Not available.
	Soft Conversion Reagent A	Not available.
	2X Methyl Amplification Mastermix	Not available.
	Library Wash Buffer	Not available.
	Hyb Wash Buffer 1	Not available.
	Hyb Wash Buffer 2	Not available.
	Soft Conversion Reagent B	Not available.
	Soft Conversion Binding Beads	Not available.
	5X Soft Conversion Wash Buffer	Not available.
	Soft Conversion Elution Buffer	Not available.
	Soft Conversion Repair Solution	Not available.
	Library Binding Beads	Not available.
	Capture Beads	Not available.
	Avida Index Primer Pairs 1-96 for ILM	Not available.

Odour	: Nuclease-Free Water	Odourless.
	End Prep Buffer	Not available.
	End Prep Enzyme	Not available.
	Ligation Buffer	Not available.
	Ligation Enzyme	Not available.
	Adapter for ILM	Not available.
	Hyb Blocker	Not available.
	Hyb Buffer	Not available.
	Hyb Enhancer	Not available.
	Soft Conversion Reagent A	Not available.
	2X Methyl Amplification Mastermix	Not available.
	Library Wash Buffer	Not available.
	Hyb Ŵash Buffer 1	Not available.
	Hyb Wash Buffer 2	Not available.
	Soft Conversion Reagent B	Not available.
	Soft Conversion Binding	Not available.
	Beads	
	5X Soft Conversion Wash Buffer	Not available.
	Soft Conversion Elution Buffer	Not available.
	Soft Conversion Repair	Not available.
	Solution	
	Library Binding Beads	Not available.
	Capture Beads	Not available.
	Avida Index Primer Pairs 1-96 for ILM	Not available.
Odour threshold	: Nuclease-Free Water	Not available.
	End Prep Buffer	Not available.
	End Prep Enzyme	Not available.
	Ligation Buffer	Not available.
	Ligation Enzyme	Not available.
	Adapter for ILM	Not available.
	Hyb Blocker	Not available.
	Hyb Buffer	Not available.
	Hyb Enhancer	Not available.
	Soft Conversion Reagent A	Not available.
	2X Methyl Amplification Mastermix	Not available.
	Library Wash Buffer	Not available.
	Hyb Wash Buffer 1	Not available.
	Hyb Wash Buffer 2	Not available.
	Soft Conversion Reagent B	Not available.
	Soft Conversion Binding Beads	Not available.
	5X Soft Conversion Wash Buffer	Not available.
	Soft Conversion Elution Buffer	Not available.
	Soft Conversion Repair Solution	Not available.
	Library Binding Beads	Not available.
	Capture Beads	Not available.
	Avida Index Primer Pairs 1-96 for ILM	Not available.

рН	: Nu	uclease-Free Water	7
	Er	nd Prep Buffer	8
		nd Prep Enzyme	7.5
		gation Buffer	8
		gation Enzyme	7.5
		dapter for ILM	8
		yb Blocker	8
		yb Buffer	7.5
	Hy	yb Enhancer	Not available.
	Sc	oft Conversion Reagent A	Not available.
	2X	K Methyl Amplification	8.6
		astermix	
		brary Wash Buffer	Not available.
		yb Wash Buffer 1	7.2 to 7.6
		yb Wash Buffer 2	7.2 to 7.6
	-	•	
		oft Conversion Reagent B	4.5 to 5.5
	_	oft Conversion Binding	Not available.
		eads	
	5X	Soft Conversion Wash	Not available.
	Βι	uffer	
	Sc	oft Conversion Elution	13
	Βι	uffer	
	Sc	oft Conversion Repair	8
	-	olution	
		brary Binding Beads	8
		apture Beads	Not available.
		vida Index Primer Pairs	8
			0
	1-3	96 for ILM	
Melting point/freezing point	: Nu	uclease-Free Water	0°C (32°F)
Melting point/freezing point			0°C (32°F) Not available.
Melting point/freezing point	Er	nd Prep Buffer	Not available.
Melting point/freezing point	Er Er	nd Prep Buffer nd Prep Enzyme	Not available. Not available.
Melting point/freezing point	Er Er Liç	nd Prep Buffer nd Prep Enzyme gation Buffer	Not available. Not available. Not available.
Melting point/freezing point	Er Er Liç Liç	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme	Not available. Not available. Not available. Not available.
Melting point/freezing point	Er Er Liç Liç	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM	Not available. Not available. Not available. Not available. 0°C (32°F)
Melting point/freezing point	Er Er Liç Ac Hy	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker	Not available. Not available. Not available. O°C (32°F) O°C (32°F)
Melting point/freezing point	Er Er Lig Ac Hy Hy	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available.
Melting point/freezing point	Er Er Lig Lig Ac Hy Hy	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available.
Melting point/freezing point	Er Er Li Ac Hy Hy Sc	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F)
Melting point/freezing point	Er Er Li Ac Hy Hy Sc	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available.
Melting point/freezing point	Er Er Lig Ac Hy Hy Sc 2X	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F)
Melting point/freezing point	Er Er Li Ac Hy Hy Sc 2X Ma	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F)
Melting point/freezing point	Er Er Lig Ac Hy Hy So 2X Mi Lit	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A < Methyl Amplification astermix	Not available. Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available.
Melting point/freezing point	Er Lig Lig Ac Hy So 2X Lik Lik	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. Not available.
Melting point/freezing point	Er Lig Ac Hy So Xi Lit Hy Hy	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. Not available. O°C (32°F)
Melting point/freezing point	Er Li A A H Y S S M i Li H Y S S	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. O°C (32°F) Not available.
Melting point/freezing point	Er Lių Ac Hy Hy So 2 Mi Li Hy So So	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. Not available. O°C (32°F)
Melting point/freezing point	Er Lių Ac Hy Hy So 2X Mil Hy So So Be	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Er Lių Ac Hy Hy So Be 5 So Be 5	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Wash	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. O°C (32°F) Not available.
Melting point/freezing point	Erių Lių Adyty Hyso2X Milty Hysos Bo Societariais Bo Bo	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Wash uffer	Not available. Not available. Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. 0°C (32°F) Not available. Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Er Lių Ao Hy So 2X Lit Hy So So Bo So Bo So So So	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Wash uffer oft Conversion Elution	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Er Lių Ao Hy So 2X Lit Hy So 8 So Bu So Bu So Bu So Bu	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Wash uffer oft Conversion Elution uffer	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. O°C (32°F) Not available. Not available. Not available. Not available.
Melting point/freezing point	Eriquid Addition Addi	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Binding eads K Soft Conversion Binding uffer oft Conversion Elution uffer oft Conversion Repair	Not available. Not available. Not available. Not available. 0°C (32°F) 0°C (32°F) Not available. Not available. <-120°C (<-184°F) Not available. Not available. Not available. 0°C (32°F) Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Erių Lių Ayyyys 2 Milyysos B 5 Boobsos B 5 Boobsos B 5 Boobsos	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Binding eads K Soft Conversion Binding uffer oft Conversion Elution uffer oft Conversion Repair oft Conversion Repair oft Conversion Repair	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. Not available. Not available. Not available. O°C (32°F) Not available. O°C (32°F) Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Erių Lių Ayyyys Xillyysos Bososcil Hydosos Bososcil	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Binding eads K Soft Conversion Elution uffer oft Conversion Repair oft Conversion Repair olution brary Binding Beads	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. Not available. Not available. Not available. O°C (32°F) Not available. O°C (32°F) Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Erių Lių Ayyyys Xillyysos Bososcil Hydosos Bososcil	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Binding eads K Soft Conversion Binding uffer oft Conversion Elution uffer oft Conversion Repair oft Conversion Repair oft Conversion Repair	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. Not available. Not available. Not available. O°C (32°F) Not available. O°C (32°F) Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Erių Lių Ayyyso Xili Hyysos Bosos Susos Litos	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Binding eads K Soft Conversion Elution uffer oft Conversion Repair oft Conversion Repair olution brary Binding Beads	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. Not available. Not available. Not available. O°C (32°F) Not available. O°C (32°F) Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available. Not available.
Melting point/freezing point	Erių Lių Ayyyys Xillyysos Boosilis Avyysos Millyysos Boosilis Av	nd Prep Buffer nd Prep Enzyme gation Buffer gation Enzyme dapter for ILM yb Blocker yb Buffer yb Enhancer oft Conversion Reagent A K Methyl Amplification astermix brary Wash Buffer yb Wash Buffer 1 yb Wash Buffer 2 oft Conversion Reagent B oft Conversion Reagent B oft Conversion Binding eads K Soft Conversion Binding eads K Soft Conversion Elution uffer oft Conversion Repair oft Conversion Repair oft Conversion Repair oft Conversion Repair oft Conversion Repair olution brary Binding Beads apture Beads	Not available. Not available. Not available. O°C (32°F) O°C (32°F) Not available. Not available. Not available. Not available. Not available. O°C (32°F) Not available. O°C (32°F) Not available. Not available.

Boiling point, initial boiling	: Nuclease-Free Water	100°C (212°F)
point, and boiling range	End Prep Buffer	Not available.
	End Prep Enzyme	Not available.
	Ligation Buffer	Not available.
	Ligation Enzyme	Not available.
	Adapter for ILM	100°C (212°F)
	Hyb Blocker	100°C (212°F)
	Hyb Buffer	Not available.
	Hyb Enhancer	Not available.
	Soft Conversion Reagent A	177.7°C (351.9°F)
	2X Methyl Amplification	Not available.
	Mastermix	
	Library Wash Buffer	Not available.
	Hyb Wash Buffer 1	Not available.
	Hyb Wash Buffer 2	100°C (212°F)
	Soft Conversion Reagent B	Not available.
	•	Not available.
	Soft Conversion Binding Beads	
	5X Soft Conversion Wash	100°C (212°E)
		100°C (212°F)
	Buffer	Net evellete
	Soft Conversion Elution	Not available.
	Buffer	
	Soft Conversion Repair	Not available.
	Solution	
	Library Binding Beads	Not available.
	Capture Beads	Not available.
	Avida Index Primer Pairs	100°C (212°F)
	1-96 for ILM	
Flash point	: Nuclease-Free Water	Not available.
	End Prep Buffer	Not available.
	End Prep Enzyme	Not available.
	Ligation Buffer	Not available.
	Ligation Enzyme	Not available.
	Adapter for ILM	Not available.
	Hyb Blocker	Not available.
	Hyb Buffer	Not available.
	Hyb Enhancer	Not available.
	Soft Conversion Reagent A	Closed cup: 73°C (163.4°F)
	2X Methyl Amplification	Not available.
	Mastermix	
	Library Wash Buffer	Not available.
	Hyb Wash Buffer 1	Not available.
	Hyb Wash Buffer 2	Not available.
	Soft Conversion Reagent B	Not available.
	Soft Conversion Binding	Closed cup: 37.8 to 61°C (100 to 141.8°F)
	Beads	
	5X Soft Conversion Wash	Not available.
	Buffer	
	Soft Conversion Elution	Not available.
	Buffer	
	Soft Conversion Repair	Not available.
	Solution	
		Not available
	Library Binding Beads	Not available.
	Capture Beads	Not available.
	Avida Index Primer Pairs	Not available.
	1-96 for ILM	

			Close	d cup		Open	cup		
	Ingredient name	°C	°F	Method	°C	°F	Method		
	End Prep Enzyme								
	Glycerol	-	-	-	177	350.6	-		
	Ligation Enzyme								
	Glycerol				177	350.6	_		
	Chyceron					000.0	_		
	Hyb Enhancer								
	Formamide	150	302	-	152	305.6	DIN EN ISO 2592		
Evaporation rate	: Nuclease-Free Wate	er		ailable.					
	End Prep Buffer			ailable.					
	End Prep Enzyme			ailable.					
	Ligation Buffer			ailable.					
	Ligation Enzyme Adapter for ILM			ailable. ailable.					
	Hyb Blocker			ailable. ailable.					
	Hyb Buffer			ailable.					
	Hyb Enhancer								
	Soft Conversion Rea	agent A	Not available. Not available.						
	2X Methyl Amplificatio Mastermix								
	Library Wash Buffer		Not available.						
	Hyb Ŵash Buffer 1		Not av	ailable.					
	Hyb Wash Buffer 2		Not available.						
	Soft Conversion Rea								
	Soft Conversion Bind Beads	-		ailable.					
	5X Soft Conversion Buffer		Not av						
	Soft Conversion Elut Buffer		Not av						
	Soft Conversion Rep Solution			ailable.					
	Library Binding Beac	IS		ailable.					
	Capture Beads Avida Index Primer F 1-96 for ILM	Pairs		ailable. ailable.					
Flammability	: Nuclease-Free Wate	er	Not an	plicable.					
······································	End Prep Buffer			plicable.					
	End Prep Enzyme			, plicable.					
	Ligation Buffer			plicable.					
	Ligation Enzyme		Not ap	plicable.					
	Adapter for ILM			plicable.					
	Hyb Blocker			plicable.					
	Hyb Buffer			plicable.					
	Hyb Enhancer			plicable.					
	Soft Conversion Rea			plicable.					
	2X Methyl Amplificat	ION	NOT ap	plicable.					
	Mastermix Library Wash Buffer		Not an	plicable.					
	Hyb Wash Buffer 1			plicable.					
	Hyb Wash Buffer 2			plicable.					
	Soft Conversion Rea	agent B		plicable.					
	Soft Conversion Bind			plicable.					
	B								

	Beads 5X Soft Conversion Wash Buffer	Not applicable.
	Soft Conversion Elution Buffer	Not applicable.
	Soft Conversion Repair Solution	Not applicable.
	Library Binding Beads	Not applicable.
	Capture Beads	Not applicable.
	Avida Index Primer Pairs 1-96 for ILM	Not applicable.
Lower and upper explosion	: Nuclease-Free Water	Not available.
limit/flammability limit	End Prep Buffer	Not available.
	End Prep Enzyme	Not available.
	Ligation Buffer	Not available.
	Ligation Enzyme	Not available.
	Adapter for ILM	Not available.
	Hyb Blocker	Not available.
	Hyb Buffer	Not available.
	Hyb Enhancer	Not available.
	Soft Conversion Reagent A	Not available.
	2X Methyl Amplification Mastermix	Not available.
	Library Wash Buffer	Not available.
	Hyb Wash Buffer 1	Not available.
	Hyb Wash Buffer 2	Not available.
	Soft Conversion Reagent B	Not available.
	Soft Conversion Binding Beads	Not available.
	5X Soft Conversion Wash Buffer	Not available.
	Soft Conversion Elution Buffer	Not available.
	Soft Conversion Repair Solution	Not available.
	Library Binding Beads	Not available.
	Capture Beads	Not available.
	Avida Index Primer Pairs 1-96 for ILM	Not available.
Vapour pressure	: Nuclease-Free Water	2.3 kPa (17.5 mm Hg) [room temperature] 12.3 kPa (92.258 mm Hg) [50°C (122°F)]

Vapour pressure

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	Vapou	Vapour Pressure at 20°C				Vapour pressure at 50°C		
Ingredient name	mm Hg	kPa	Method	mm Hg	kPa	Method		
End Prep Buffer								
water	17.5	2.3	-	92.258	12.3	-		
End Prep Enzyme								
water	17.5	2.3	-	92.258	12.3	-		
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-		
Ligation Buffer								
water	17.5	2.3	-	92.258	12.3	-		
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	Ligation Enzyme						
	water	17.5	2.3	-	92.258	12.3	-
	Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
	Adapter for ILM						
	water	17.5	2.3	-	92.258	12.3	-
	Hyb Blocker						
	water	17.5	2.3	-	92.258	12.3	-
	Hyb Buffer						
	water	17.5	2.3	-	92.258	12.3	-
	tetramethylammonium chloride	0.000000001	0.0000000013	EU A.4	-	-	-
	Hyb Enhancer						
	Formamide	0.045	0.006	-	-	-	-
	Poly(oxy- 1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	0.000003	0.00000004	-	-	-	-
	Soft Conversion Reagent A						
	tetrahydro- 2-furylmethanol	1.4	0.19	-	-	-	-
	2X Methyl Amplification Mastermix						
	water	17.5	2.3	-	92.258	12.3	-
	Library Wash Buffer						
	water	17.5	2.3	-	92.258	12.3	-
	Poly(oxy- 1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	0.0000003	0.00000004	-	-	-	-
	Hyb Wash Buffer 1						
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water	17.5	2.3	-	92.258	12.3	-
Hyb Wash Buffer 2						
water	17.5	2.3	-	92.258	12.3	-
Soft Conversion Reagent B						
water	17.5	2.3	-	92.258	12.3	-
Soft Conversion Binding Beads						
Ethanol	42.94865	5.7	-	-	-	-
water	17.5	2.3	-	92.258	12.3	-
5X Soft Conversion Wash Buffer						
water	17.5	2.3	-	92.258	12.3	-
Soft Conversion Elution Buffer						
water	17.5	2.3	-	92.258	12.3	-
Soft Conversion Repair Solution						
water	17.5	2.3	-	92.258	12.3	-
Library Binding Beads						
water	17.5	2.3	-	92.258	12.3	-
Poly(oxy- 1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	0.0000003	0.00000004	-	-	-	-
Capture Beads						
water	17.5	2.3	-	92.258	12.3	-
Avida Index Primer Pairs 1-96 for ILM						
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	water	17.5	2.3	-	92.258	12.3	-
Relative vapour density	Nuclease-Free Wate		0.62 [Air	<u> </u> = 11			
	End Prep Buffer		Not avail	-			
	End Prep Enzyme		Not avail				
	Ligation Buffer		Not avail				
	Ligation Enzyme		Not avail				
	Adapter for ILM		Not avail				
	Hyb Blocker		Not avail				
	Hyb Buffer		Not avail				
	Hyb Enhancer		Not avail				
	Soft Conversion Rea	agent A	Not avail	able.			
	2X Methyl Amplificat	tion	Not avail	able.			
	Mastermix						
	Library Wash Buffer		Not avail	able.			
	Hyb Wash Buffer 1		Not avail	able.			
	Hyb Wash Buffer 2		Not avail				
	Soft Conversion Rea	agent B	Not avail				
	Soft Conversion Bin	-	Not avail				
	Beads	ang	Notavan				
	5X Soft Conversion	Wash	Not avail	ahla			
	Buffer	vvasn	Notavai	abie.			
		tion	Not avail	abla			
	Soft Conversion Elution		NOL avail	able.			
	Buffer Soft Conversion Ropair		NI=4 == :				
	Soft Conversion Repair		Not avail	able.			
	Solution						
	Library Binding Bead	ls	Not avail				
	Capture Beads		Not avail				
	Avida Index Primer I	Pairs	Not avail	able.			
	1-96 for ILM						
Relative density	Nuclease-Free Wate	er	1				
·····,	End Prep Buffer		Not avail	able			
	End Prep Enzyme		Not avail				
	Ligation Buffer		Not avail				
	Ligation Enzyme		Not avail				
	Adapter for ILM		Not avail				
	Hyb Blocker		Not avail				
	Hyb Buffer		Not avail				
	-						
	Hyb Enhancer		Not avail				
	Soft Conversion Rea		Not avail				
	2X Methyl Amplificat	lion	Not avail	able.			
	Mastermix		NI. 4				
	Library Wash Buffer		Not avail				
	Hyb Wash Buffer 1		Not avail				
	Hyb Wash Buffer 2		Not avail				
	Soft Conversion Rea		Not avail				
	Soft Conversion Bin	ding	Not avail	able.			
	Beads						
	5X Soft Conversion	Wash	Not avail	able.			
	Buffer						
	Soft Conversion Elut	tion	Not avail	able.			
	Buffer						
	Soft Conversion Rep	pair	Not avail	able			
	Solution		noravall				
		10	Not avail	ahla			
	Library Binding Bead	ds	Not avail				
	Library Binding Beac Capture Beads		Not avail	able.			
	Library Binding Bead			able.			

Solubility(ies)	: Media	Result	
- • •	Nuclease-Free Water		
	water	Soluble	
	End Prep Buffer		
	water	Soluble	
	End Prep Enzyme		
	water	Soluble	
	Ligation Buffer	Calubia	
	water Ligation Enzyme	Soluble	
	water	Soluble	
	Adapter for ILM	Colubic	
	water	Soluble	
	Hyb Blocker		
	water	Soluble	
	Hyb Buffer		
	water	Soluble	
	Hyb Enhancer water	Soluble	
	Soft Conversion Reagent A		
	water	Soluble	
	2X Methyl Amplification Ma		
	water	Soluble	
	Library Wash Buffer		
	water	Soluble	
	Hyb Wash Buffer 1		
	water	Soluble	
	Hyb Wash Buffer 2 water	Soluble	
	Soft Conversion Reagent E		
	water	Soluble	
	Soft Conversion Binding B		
	water	Soluble	
	5X Soft Conversion Wash		
	water	Soluble	
	Soft Conversion Elution B		
	water Soft Conversion Repair So	Soluble	
	water	Soluble	
	Library Binding Beads	Ooluble	
	water	Soluble	
	Capture Beads		
	water	Soluble	
	Avida Index Primer Pairs 1		
	water	Soluble	
Partition coefficient: n-	: Nuclease-Free Water	-1.38	
octanol/water	End Prep Buffer	Not applicable.	
	End Prep Enzyme	Not applicable.	
	Ligation Buffer Ligation Enzyme	Not applicable. Not applicable.	
	Adapter for ILM	Not applicable.	
	Hyb Blocker	Not applicable.	
	Hyb Buffer	Not applicable.	
	Hyb Enhancer	Not applicable.	
	Soft Conversion Reagent A	Not applicable.	
	2X Methyl Amplification	Not applicable.	
	Mastermix Library Wash Buffer	Not applicable.	
	Hyb Wash Buffer 1	Not applicable.	
	Hyb Wash Buffer 2	Not applicable.	
	-		
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	Soft Conversion Reagent B Soft Conversion Binding Beads	Not applicable Not applicable		
	Beads 5X Soft Conversion Wash Buffer	Not applicable	9.	
	Soft Conversion Elution Buffer	Not applicable	9.	
	Soft Conversion Repair Solution	Not applicable	9.	
	Library Binding Beads	Not applicable		
	Capture Beads Avida Index Primer Pairs 1-96 for ILM	Not applicable Not applicable		
Auto-ignition temperature	: Nuclease-Free Water 2X Methyl Amplification Mastermix	Not applicable 215°C (419°F		
	Ingredient name	°C	°F	Method
	End Prep Enzyme			
	Glycerol	370	698	-
	Ligation Buffer			
	Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	360	680	-
	Ligation Enzyme			
	Glycerol	370	698	-
	Hyb Enhancer			
	Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	360	680	-
	Formamide	>500	>932	ASTM D 2155-66
	Soft Conversion Reagent A			
	tetrahydro-2-furylmethanol	282	539.6	-
	Library Wash Buffer			
	Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	360	680	-
	Soft Conversion Binding Beads			
	Ethanol	455	851	DIN 51794
	Library Binding Beads			
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L				

characteristics				
	Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	360	680	-
Provide the second second				
Decomposition temperature :	Nuclease-Free Water	Not available.		
	End Prep Buffer	Not available.		
	End Prep Enzyme	Not available.		
	Ligation Buffer	Not available.		
	Ligation Enzyme	Not available.		
	Adapter for ILM Hyb Blocker	Not available. Not available.		
	Hyb Buffer	Not available.		
	Hyb Enhancer	Not available.		
	Soft Conversion Reagent A	Not available.		
	2X Methyl Amplification	Not available.		
	Mastermix			
	Library Wash Buffer	Not available.		
	Hyb Wash Buffer 1	Not available.		
	Hyb Wash Buffer 2	Not available.		
	Soft Conversion Reagent B	Not available.		
	Soft Conversion Binding	Not available.		
	Beads			
	5X Soft Conversion Wash	Not available.		
	Buffer			
	Soft Conversion Elution	Not available.		
	Buffer	•• •		
	Soft Conversion Repair Solution	Not available.		
	Library Binding Beads	Not available.		
	Capture Beads	Not available.		
	Avida Index Primer Pairs 1-96 for ILM	Not available.		
Viscosity :	Nuclease-Free Water	Not available.		
-	End Prep Buffer	Not available.		
	End Prep Enzyme	Not available.		
	Ligation Buffer	Not available.		
	Ligation Enzyme	Not available.		
	Adapter for ILM	Not available.		
	Hyb Blocker	Not available.		
	Hyb Buffer	Not available.		
	Hyb Enhancer	Not available.		
	Soft Conversion Reagent A	Not available.		
	2X Methyl Amplification Mastermix	Not available.		
	Library Wash Buffer	Not available.		
	Hyb Wash Buffer 1	Not available.		
	Hyb Wash Buffer 2	Not available.		
	Soft Conversion Reagent B	Not available.		
	Soft Conversion Binding	Not available.		
	Beads			
	5X Soft Conversion Wash	Not available.		
	Buffer			
	Soft Conversion Elution	Not available.		
	Buffer Soft Conversion Repair	Not available.		
	Solution			
	Library Binding Beads	Not available.		
	Capture Beads	Not available.		
	Avida Index Primer Pairs	Not available.		
	1-96 for ILM			
Particle characteristics				

Median particle size	: Nuclease-Free Water	Not applicable.
	End Prep Buffer	Not applicable.
	End Prep Enzyme	Not applicable.
	Ligation Buffer	Not applicable.
	Ligation Enzyme	Not applicable.
	Adapter for ILM	Not applicable.
	Hyb Blocker	Not applicable.
	Hyb Buffer	Not applicable.
	Hyb Enhancer	Not applicable.
	Soft Conversion Reagent A	Not applicable.
	2X Methyl Amplification	Not applicable.
	Mastermix	
	Library Wash Buffer	Not applicable.
	Hyb Wash Buffer 1	Not applicable.
	Hyb Wash Buffer 2	Not applicable.
	Soft Conversion Reagent B	Not applicable.
	Soft Conversion Binding	Not applicable.
	Beads	
	5X Soft Conversion Wash	Not applicable.
	Buffer	
	Soft Conversion Elution	Not applicable.
	Buffer	
	Soft Conversion Repair	Not applicable.
	Solution	
	Library Binding Beads	Not applicable.
	Capture Beads	Not applicable.
	Avida Index Primer Pairs	Not applicable.
	1-96 for ILM	

Reactivity	: Nuclease-Free Water	No specific test data related to reactivity available for
	"	this product or its ingredients.
	End Prep Buffer	No specific test data related to reactivity available for
		this product or its ingredients.
	End Prep Enzyme	No specific test data related to reactivity available for
		this product or its ingredients.
	Ligation Buffer	No specific test data related to reactivity available for
		this product or its ingredients.
	Ligation Enzyme	No specific test data related to reactivity available for
		this product or its ingredients.
	Adapter for ILM	No specific test data related to reactivity available for
		this product or its ingredients.
	Hyb Blocker	No specific test data related to reactivity available for
		this product or its ingredients.
	Hyb Buffer	No specific test data related to reactivity available for
		this product or its ingredients.
	Hyb Enhancer	No specific test data related to reactivity available for
		this product or its ingredients.
	Soft Conversion Reagent A	No specific test data related to reactivity available for
	-	this product or its ingredients.
	2X Methyl Amplification	No specific test data related to reactivity available for
	Mastermix	this product or its ingredients.
	Library Wash Buffer	No specific test data related to reactivity available for
		this product or its ingredients.
	Hyb Wash Buffer 1	No specific test data related to reactivity available for
		this product or its ingredients.
	Hyb Wash Buffer 2	No specific test data related to reactivity available for
		this product or its ingredients.
	Soft Conversion Reagent B	No specific test data related to reactivity available for
	5	this product or its ingredients.
	Soft Conversion Binding	No specific test data related to reactivity available for
		, ,

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	Beads	this product or its ingredients.
	5X Soft Conversion Wash	No specific test data related to reactivity available for
	Buffer	this product or its ingredients.
	Soft Conversion Elution	No specific test data related to reactivity available for
	Buffer	this product or its ingredients.
	Soft Conversion Repair	No specific test data related to reactivity available for
	Solution	this product or its ingredients.
	Library Binding Beads	No specific test data related to reactivity available for
	,	this product or its ingredients.
	Capture Beads	No specific test data related to reactivity available for
	Captalo Doudo	this product or its ingredients.
	Avida Index Primer Pairs	No specific test data related to reactivity available for
	1-96 for ILM	this product or its ingredients.
Chemical stability	: Nuclease-Free Water	The product is stable.
Chemical Stability	End Prep Buffer	The product is stable.
	End Prep Enzyme	The product is stable.
	Ligation Buffer	The product is stable.
	Ligation Enzyme	The product is stable.
	Adapter for ILM	The product is stable.
	Hyb Blocker	The product is stable.
	Hyb Buffer	The product is stable.
	Hyb Enhancer	The product is stable.
	Soft Conversion Reagent A	The product is stable.
	2X Methyl Amplification	The product is stable.
	Mastermix	
	Library Wash Buffer	The product is stable.
	Hyb Wash Buffer 1	The product is stable.
	Hyb Wash Buffer 2	The product is stable.
	Soft Conversion Reagent B	The product is stable.
	Soft Conversion Binding	The product is stable.
	Beads 5X Soft Conversion Wash	The product is stable.
	Buffer	
	Soft Conversion Elution	The product is stable.
	Buffer	
		The product is stable
	Soft Conversion Repair	The product is stable.
	Solution	
	Library Binding Beads	The product is stable.
	Capture Beads	The product is stable.
	Avida Index Primer Pairs 1-96 for ILM	The product is stable.
Descibility of benerdaus	Nuclease Free Weter	Linder normal conditions of stars as and use
Possibility of hazardous	: Nuclease-Free Water	Under normal conditions of storage and use,
reactions	#	hazardous reactions will not occur.
	End Prep Buffer	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	End Prep Enzyme	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Ligation Buffer	Under normal conditions of storage and use,
	0	hazardous reactions will not occur.
	Ligation Enzyme	Under normal conditions of storage and use,
	Eigadon Enzymo	hazardous reactions will not occur.
	Adaptor for ILM	
	Adapter for ILM	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Hyb Blocker	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Hyb Buffer	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Hyb Enhancer	Under normal conditions of storage and use,
	,	hazardous reactions will not occur.
	Soft Conversion Reagent A	Under normal conditions of storage and use,
		hazardous reactions will not occur.
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	and readering	
	2X Methyl Amplification	Under normal conditions of storage and use,
	Mastermix	hazardous reactions will not occur.
	Library Wash Buffer	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Hyb Wash Buffer 1	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Hyb Wash Buffer 2	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Soft Conversion Reagent B	Under normal conditions of storage and use,
		hazardous reactions will not occur.
	Soft Conversion Binding	Under normal conditions of storage and use,
	Beads	hazardous reactions will not occur.
	5X Soft Conversion Wash	Under normal conditions of storage and use,
	Buffer	hazardous reactions will not occur.
	Soft Conversion Elution	Under normal conditions of storage and use,
	Buffer	hazardous reactions will not occur.
	Soft Conversion Repair	Under normal conditions of storage and use,
	Solution	hazardous reactions will not occur.
	Library Binding Beads	Under normal conditions of storage and use,
	Continue Decide	hazardous reactions will not occur.
	Capture Beads	Under normal conditions of storage and use,
	Avide Index Primer Daire	hazardous reactions will not occur.
	Avida Index Primer Pairs 1-96 for ILM	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid :	Nuclease-Free Water	No specific data.
	End Prep Buffer	No specific data.
	End Prep Enzyme	No specific data.
	Ligation Buffer	No specific data.
	Ligation Enzyme	No specific data.
	Adapter for ILM	No specific data.
	Hyb Blocker	No specific data.
	Hyb Buffer	No specific data.
	Hyb Enhancer	No specific data.
	Soft Conversion Reagent A	Avoid all possible sources of ignition (spark or flame).
		Do not pressurise, cut, weld, braze, solder, drill, grind
	2X Mathyl Amplification	or expose containers to heat or sources of ignition.
	2X Methyl Amplification	No specific data.
	Mastermix	No aposifia data
	Library Wash Buffer	No specific data.
	Hyb Wash Buffer 1 Hyb Wash Buffer 2	No specific data. No specific data.
	Soft Conversion Reagent B	No specific data.
	Soft Conversion Binding	Avoid all possible sources of ignition (spark or flame).
	Beads	Do not pressurise, cut, weld, braze, solder, drill, grind
	Deads	or expose containers to heat or sources of ignition.
	5X Soft Conversion Wash	No specific data.
	Buffer	
	Soft Conversion Elution	No specific data.
	Buffer	
	Soft Conversion Repair	No specific data.
	Solution	···
	Library Binding Beads	No specific data.
	Capture Beads	No specific data.
	Avida Index Primer Pairs	No specific data.
	1-96 for ILM	

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	2X Methyl Amplification	hazardous decomposition products should not be produced. Under normal conditions of storage and use,
	Hyb Enhancer Soft Conversion Reagent A	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use,
	Hyb Buffer	produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Hyb Blocker	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
	Adapter for ILM	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
	Ligation Enzyme	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
	Ligation Buffer	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
	End Prep Enzyme	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
p. oudoto	End Prep Buffer	produced. Under normal conditions of storage and use, hazardous decomposition products should not be
Hazardous decomposition products	: Nuclease-Free Water	Under normal conditions of storage and use, hazardous decomposition products should not be
	Library Binding Beads Capture Beads Avida Index Primer Pairs 1-96 for ILM	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
	Soft Conversion Repair Solution	May react or be incompatible with oxidising materials.
	Soft Conversion Elution Buffer	Reactive or incompatible with the following materials: acids
	5X Soft Conversion Wash Buffer	oxidising materials May react or be incompatible with oxidising materials.
	Soft Conversion Reagent B Soft Conversion Binding Beads	May react or be incompatible with oxidising materials. Reactive or incompatible with the following materials:
	Hyb Wash Buffer 1 Hyb Wash Buffer 2	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
	2X Methyl Amplification Mastermix Library Wash Buffer	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
	Soft Conversion Reagent A	Reactive or incompatible with the following materials: oxidising materials
	Hyb Blocker Hyb Buffer Hyb Enhancer	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
	Ligation Enzyme Adapter for ILM	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
	End Prep Enzyme Ligation Buffer	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
Incompatible materials	: Nuclease-Free Water End Prep Buffer	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.

Mastermix	hazardous decomposition products should not be produced.
Library Wash Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be
Hyb Wash Buffer 1	produced. Under normal conditions of storage and use,
	hazardous decomposition products should not be produced.
Hyb Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be
	produced.
Soft Conversion Reagent B	Under normal conditions of storage and use,
	hazardous decomposition products should not be produced.
Soft Conversion Binding	Under normal conditions of storage and use,
Beads	hazardous decomposition products should not be produced.
5X Soft Conversion Wash	Under normal conditions of storage and use,
Buffer	hazardous decomposition products should not be produced.
Soft Conversion Elution	Under normal conditions of storage and use,
Buffer	hazardous decomposition products should not be produced.
Soft Conversion Repair	Under normal conditions of storage and use,
Solution	hazardous decomposition products should not be produced.
Library Binding Beads	Under normal conditions of storage and use,
	hazardous decomposition products should not be produced.
Capture Beads	Under normal conditions of storage and use,
	hazardous decomposition products should not be produced.
Avida Index Primer Pairs	Under normal conditions of storage and use,
1-96 for ILM	hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
End Prep Buffer				
Magnesium chloride	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-
	LD50 Oral	Rat	2800 mg/kg	-
End Prep Enzyme				
Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Ligation Enzyme			10000 //	
Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Hyb Buffer				
tetramethylammonium chloride	LD50 Dermal	Rabbit - Male, Female	200 to 500 mg/ kg	-
	LD50 Oral	Rat	50 mg/kg	-
Hyb Enhancer				
Formamide	LC50 Inhalation Dusts and mists		>21 mg/l	4 hours
	LD50 Dermal LD50 Oral	Rabbit Rat	17 g/kg 5570 mg/kg	-
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Irritation/Corrosion

Soft Conversion Binding				
Beads				
Ethanol	LC50 Inhalation Vapour	Rat	124700 mg/m³	4 hours
	LD50 Oral	Rat	7 g/kg	-
Guanidinium thiocyanate	LC50 Inhalation Dusts and mists	Rat - Female	3.181 mg/l	4 hours
	LD50 Oral	Rat - Male,	593 mg/kg	-
		Female		
Poly(oxy-1,2-ethanediyl), .	LD50 Oral	Rat	2800 mg/kg	-
alpha[
(1,1,3,3-tetramethylbutyl)				
phenyl]omegahydroxy-				

Product/ingredient name	Result	Species	Score	Exposure	Observation
End Prep Enzyme					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
		DILLY		mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
Ligation Buffer					
Poly(oxy-1,2-ethanediyl),α-	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
hydro-ω-hydroxy- Ethane-				mg	
1,2-diol, ethoxylated	Eyes - Mild irritant	Rabbit		500 mg	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
		Rabbit		mg	
	Skin - Mild irritant	Rabbit	-	500 mg	-
· · · · _					
Ligation Enzyme	Eyes - Mild irritant	Rabbit		24 hours 500	
Glycerol	Eyes - Milla Innant	Rabbit	-	mg	-
	Skin - Mild irritant	Rabbit	_	24 hours 500	-
				mg	
Hyb Enhancer	Even Mild irritent	Rabbit		24 hours 500	
Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane-	Eyes - Mild irritant	Rabbit	-	mg	-
1,2-diol, ethoxylated				ing	
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
	Skin - Mild irritant	Rabbit		mg 500 mg	
	Skill - Milu Initalit	Rabbit	-	500 mg	-
Soft Conversion Reagent					
Α					
tetrahydro-2-furylmethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 20	-
				mg	
Library Wash Buffer					
Poly(oxy-1,2-ethanediyl),α-	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
hydro-ω-hydroxy- Ethane-	,			mg	
1,2-diol, ethoxylated					
	Eyes - Mild irritant Skin - Mild irritant	Rabbit Bobbit	-	500 mg	-
		Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
				Ŭ Ŭ	
Soft Conversion Binding					
Beads	Even Mild imitent	Dabk [:]		24 hours 500	
Ethanol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	1			Inna	

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				minutes 100	
	Even Mederate irritant	Dabbit		mg 100 uL	
	Eyes - Moderate irritant	Rabbit	-		-
Poly(oxy-1,2-ethanediyl), . alpha[(1,1,3,3-tetramethylbutyl) phenyl]omegahydroxy-	Eyes - Severe irritant	Rabbit	-	1 %	-
Library Binding Beads					
Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				mg	
	Skin - Mild irritant	Rabbit	-	500 mg	-

Sensitisation

Not available.

<u>Mutagenicity</u>	
Conclusion/Summary	: Not available.
Carcinogenicity	
Conclusion/Summary	: Not available.
Reproductive toxicity	
Conclusion/Summary	: Not available.
Teratogenicity	
Conclusion/Summary	: Not available.
· · · · · · · · · · · · · · · · · · ·	

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Hyb Buffer tetramethylammonium chloride	Category 1	oral	central nervous system (CNS)

Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
Hyb Enhancer Formamide	Category 2	oral	blood

Aspiration hazard

Not available.

Information on likely routes of exposure	: Nuclease-Free Water End Prep Buffer	Not available. Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	End Prep Enzyme	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Ligation Buffer	Not available.
	Ligation Enzyme	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Adapter for ILM	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Hyb Blocker	Not available.
	Hyb Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Hyb Enhancer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

	ogioar information	
	Soft Conversion Reagent A	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	2X Methyl Amplification Mastermix	Not available.
	Library Wash Buffer	Not available.
	Hyb Ŵash Buffer 1	Not available.
	Hyb Wash Buffer 2	Not available.
	Soft Conversion Reagent B	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Soft Conversion Binding Beads	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	5X Soft Conversion Wash Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Soft Conversion Elution Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Soft Conversion Repair Solution	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	Library Binding Beads	Not available.
	Capture Beads	Not available.
	Avida Index Primer Pairs 1-96 for ILM	Not available.
Potential acute health effects		
Eye contact :	Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	Causes eye irritation.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme Adapter for ILM	Causes eye irritation. No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	No known significant effects or critical hazards.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	Causes serious eye irritation.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	Causes serious eye irritation.
	Soft Conversion Binding Beads	Causes serious eye damage.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	Causes serious eye damage.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs 1-96 for ILM —	No known significant effects or critical hazards.
Inhalation :	Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	No known significant effects or critical hazards. Causes damage to organs following a single exposure if inhaled.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
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	ogical internation	
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding Beads	Corrosive to the respiratory tract. Causes burns.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	No known significant effects or critical hazards.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads Capture Beads	No known significant effects or critical hazards. No known significant effects or critical hazards.
	Avida Index Primer Pairs 1-96 for ILM	No known significant effects or critical hazards.
Skin contact	Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	HybBlocker	No known significant effects or critical hazards.
	Hyb Buffer	Causes damage to organs following a single
	5	exposure in contact with skin. Causes skin irritation.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding Beads	Causes severe burns.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	Causes severe burns.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs 1-96 for ILM	No known significant effects or critical hazards.
Ingestion	Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	Harmful if swallowed. Causes damage to organs
		following a single exposure if swallowed.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification	No known significant effects or critical hazards.
	Mastermix	No known significant offects or critical bazarda
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2 Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding	Corrosive to the digestive tract. Causes burns.

-	
Beads	
5X Soft Conversion Wash	No known significant effects or critical hazards.
Buffer	
Soft Conversion Elution	No known significant effects or critical hazards.
Buffer	
Soft Conversion Repair	No known significant effects or critical hazards.
Solution	
Library Binding Beads	No known significant effects or critical hazards.
Capture Beads	No known significant effects or critical hazards.
Avida Index Primer Pairs	No known significant effects or critical hazards.
1-96 for ILM	

Symptoms related to the	physical, chemical and	toxicological characteristics

Eye contact	: Nuclease-Free Water End Prep Buffer End Prep Enzyme	No specific data. No specific data. Adverse symptoms may include the following: irritation
	Ligation Buffer Ligation Enzyme	watering redness No specific data. Adverse symptoms may include the following: irritation watering
	Adapter for ILM Hyb Blocker	redness No specific data. No specific data.
	Hyb Buffer	Adverse symptoms may include the following: pain or irritation watering redness
	Hyb Enhancer Soft Conversion Reagent A	No specific data. Adverse symptoms may include the following: pain or irritation watering
	2X Methyl Amplification Mastermix	redness No specific data.
	Library Wash Buffer Hyb Wash Buffer 1 Hyb Wash Buffer 2 Soft Conversion Reagent B	No specific data. No specific data. No specific data. Adverse symptoms may include the following: pain or irritation watering redness
	Soft Conversion Binding Beads	Adverse symptoms may include the following:
		pain watering redness
	5X Soft Conversion Wash Buffer	No specific data.
	Soft Conversion Elution Buffer	Adverse symptoms may include the following:
		pain watering redness
	Soft Conversion Repair Solution Library Binding Beads	No specific data.
	Library Binding Beads Capture Beads Avida Index Primer Pairs 1-96 for ILM	No specific data. No specific data. No specific data.

	biogical information	l
Inhalation	: Nuclease-Free Water	No specific data.
	End Prep Buffer	No specific data.
	End Prep Enzyme	No specific data.
	Ligation Buffer	No specific data.
	Ligation Enzyme	No specific data.
	Adapter for ILM	No specific data.
	Hyb Blocker	No specific data.
	Hyb Buffer	No specific data.
	Hyb Enhancer	Adverse symptoms may include the following:
	-	reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	Soft Conversion Reagent A	Adverse symptoms may include the following:
	Ū	reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	2X Methyl Amplification	No specific data.
	Mastermix	
	Library Wash Buffer	No specific data.
	Hyb Wash Buffer 1	No specific data.
	Hyb Wash Buffer 2	No specific data.
	Soft Conversion Reagent B	No specific data.
	Soft Conversion Binding	Adverse symptoms may include the following:
	Beads	,
		respiratory tract irritation
		coughing
	5X Soft Conversion Wash	No specific data.
	Buffer	
	Soft Conversion Elution	No specific data.
	Buffer	
	Soft Conversion Repair	No specific data.
	Solution	
	Library Binding Beads	No specific data.
	Capture Beads	No specific data.
	Avida Index Primer Pairs	No specific data.
	1-96 for ILM	
Skin contact	: Nuclease-Free Water	No specific data
Skill contact	End Prep Buffer	No specific data. No specific data.
	End Prep Enzyme	No specific data.
	Ligation Buffer	No specific data.
	Ligation Enzyme	No specific data.
	Adapter for ILM	No specific data.
	Hyb Blocker	No specific data.
	Hyb Buffer	Adverse symptoms may include the following:
	Hyb Ballel	irritation
		redness
	Hyb Enhancer	Adverse symptoms may include the following:
		reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	Soft Conversion Reagent A	Adverse symptoms may include the following:
	con convolution reagon. A	reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	2X Methyl Amplification	No specific data.
	Mastermix	
	Library Wash Buffer	No specific data.
	Hyb Wash Buffer 1	No specific data.
	Hyb Wash Buffer 2	No specific data.
	Soft Conversion Reagent B	No specific data.
	Soft Conversion Binding	Adverse symptoms may include the following:
	Beads	, atoree cympteme may morade the following.
	Deads	pain or irritation
		redness
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	U	
		blistering may occur
	5X Soft Conversion Wash	No specific data.
	Buffer	
	Soft Conversion Elution Buffer	Adverse symptoms may include the following:
		pain or irritation
		redness
		blistering may occur
	Soft Conversion Repair	No specific data.
	Solution	
	Library Binding Beads	No specific data.
	Capture Beads	No specific data.
	Avida Index Primer Pairs	No specific data.
	1-96 for ILM	
Ingestion	: Nuclease-Free Water	No specific data.
•	End Prep Buffer	No specific data.
	End Prep Enzyme	No specific data.
	Ligation Buffer	No specific data.
	Ligation Enzyme	No specific data.
	Adapter for ILM	No specific data.
	Hyb Blocker	No specific data.
	Hyb Buffer	No specific data.
	Hyb Enhancer	Adverse symptoms may include the following:
		reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	Soft Conversion Reagent A	Adverse symptoms may include the following:
	een eenvereien rieugen. /	reduced foetal weight
		increase in foetal deaths
		skeletal malformations
	2X Methyl Amplification	No specific data.
	Mastermix	
	Library Wash Buffer	No specific data.
	Hyb Wash Buffer 1	No specific data.
	Hyb Wash Buffer 2	No specific data.
	Soft Conversion Reagent B	No specific data.
	Soft Conversion Binding	Adverse symptoms may include the following:
	Beads	Adverse symptoms may include the following.
	Deads	stomach pains
	5X Soft Conversion Wash	No specific data.
	Buffer	No specific data.
	Soft Conversion Elution	Adverse symptoms may include the following:
	Buffer	Adverse symptoms may include the following.
		stomach pains
	Soft Conversion Repair Solution	No specific data.
	Library Binding Beads	No specific data.
	Capture Beads	No specific data.
	Avida Index Primer Pairs	No specific data.
	1-96 for ILM	
Delayed and immediate effe	cts as well as chronic effects fr	om short and long-term exposure
<u>Short term exposure</u>		······
Detential immediate	 Not available 	

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Potential chronic health ef	<u>fects</u>				
Potential delayed effects	: Not available	э.			
Potential immediate effects	: Not available	9.			
Long term exposure					
Potential delayed effects	: Not available	е.			
Potential immediate effects	: Not available	е.			
<u>Short term exposure</u>					

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General	: Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	No known significant effects or critical hazards.
	Hyb Enhancer	May cause damage to organs through prolonged or repeated exposure.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding Beads	No known significant effects or critical hazards.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	No known significant effects or critical hazards.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs 1-96 for ILM	No known significant effects or critical hazards.
Carcinogenicity	: Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	No known significant effects or critical hazards.
	Hyb Enhancer	Suspected of causing cancer. Risk of cancer
		depends on duration and level of exposure.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding Beads	No known significant effects or critical hazards.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	No known significant effects or critical hazards.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs 1-96 for ILM	No known significant effects or critical hazards.

Mutagenicity	: Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	No known significant effects or critical hazards.
	Hyb Enhancer	No known significant effects or critical hazards.
	Soft Conversion Reagent A	No known significant effects or critical hazards.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding Beads	No known significant effects or critical hazards.
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	No known significant effects or critical hazards.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads	No known significant effects or critical hazards.
	Avida Index Primer Pairs 1-96 for ILM	No known significant effects or critical hazards.
Reproductive toxicity	: Nuclease-Free Water	No known significant effects or critical hazards.
	End Prep Buffer	No known significant effects or critical hazards.
	End Prep Enzyme	No known significant effects or critical hazards.
	Ligation Buffer	No known significant effects or critical hazards.
	Ligation Enzyme	No known significant effects or critical hazards.
	Adapter for ILM	No known significant effects or critical hazards.
	Hyb Blocker	No known significant effects or critical hazards.
	Hyb Buffer	No known significant effects or critical hazards.
	Hyb Enhancer	May damage fertility or the unborn child.
	Soft Conversion Reagent A	May damage fertility or the unborn child.
	2X Methyl Amplification Mastermix	No known significant effects or critical hazards.
	Library Wash Buffer	No known significant effects or critical hazards.
	Hyb Wash Buffer 1	No known significant effects or critical hazards.
	Hyb Wash Buffer 2	No known significant effects or critical hazards.
	Soft Conversion Reagent B	No known significant effects or critical hazards.
	Soft Conversion Binding	No known significant effects or critical hazards.
	Beads	No known cignificant offects or critical beyonds
	5X Soft Conversion Wash Buffer	No known significant effects or critical hazards.
	Soft Conversion Elution Buffer	No known significant effects or critical hazards.
	Soft Conversion Repair Solution	No known significant effects or critical hazards.
	Library Binding Beads	No known significant effects or critical hazards.
	Capture Beads Avida Index Primer Pairs	No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
End Prep Buffer					
Magnesium chloride	2800	N/A	N/A	N/A	N/A
End Prep Enzyme					
Glycerol	12600	N/A	N/A	N/A	N/A
Ligation Buffer					
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A
Ligation Enzyme					
Glycerol	12600	N/A	N/A	N/A	N/A
Hyb Buffer					
Hyb Buffer	456.2	2737.2	N/A	N/A	N/A
tetramethylammonium chloride	50	300	N/A	N/A	N/A
Hyb Enhancer					
Formamide	5570	17000	N/A	N/A	N/A
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A
Library Wash Buffer					
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A
Soft Conversion Binding Beads					
Soft Conversion Binding Beads	2299.0	5782.2	N/A	N/A	16.7
Ethanol	7000	N/A	N/A	124.7	N/A
Guanidinium thiocyanate	593	1100	N/A	N/A	3.181
Poly(oxy-1,2-ethanediyl), .alpha[(1,1,3,3-tetramethylbutyl)phenyl]omegahydroxy-	500	N/A	N/A	N/A	N/A
Library Binding Beads					
Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated	28000	N/A	N/A	N/A	N/A

Other information

: End Prep Buffer

Hyb Enhancer

Adapter for ILM

Adverse symptoms may include the following: May cause skin sensitisation. Adverse symptoms may include the following: May cause skin sensitisation. Adverse symptoms may include the following: May cause eye irritation. May cause skin irritation.

Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
End Prep Buffer			
Magnesium chloride	Acute EC50 >100 mg/l Fresh water	Algae - Desmodesmus subspicatus	72 hours
	Acute EC50 180000 µg/l Fresh water	Crustaceans - Eudiaptomus padanus ssp. padanus - Adult	48 hours
	Acute IC50 6.8 mg/l Fresh water	Aquatic plants - <i>Lemna</i> aeguinoctialis	96 hours
	Acute LC50 32000 μg/l Fresh water	Daphnia - Daphnia hyalina -	48 hours
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Section 12. Ecological information			
	Acute LC50 2120 mg/l Fresh water Acute NOEC 100 mg/l Fresh water Chronic NOEC 0.1 mg/l Fresh water	Adult Fish - Pimephales promelas Algae - Desmodesmus subspicatus Fish - Cyprinus carpio	96 hours 72 hours 35 days
			J
End Prep Enzyme Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Ligation Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >1000000 µg/l Fresh water	Fish - <i>Salmo salar</i> - Parr	96 hours
Ligation Enzyme Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Hyb Buffer tetramethylammonium chloride	Acute LC50 462 mg/l Fresh water	Fish - Pimephales promelas	96 hours
Hyb Enhancer Formamide	Acute EC50 >500 mg/l Fresh water Acute EC50 >500 mg/l Fresh water Acute LC50 6569 mg/l Fresh water Acute NOEC 4640 mg/l Fresh water Acute NOEC 4640 mg/l Fresh water	Algae Daphnia Fish Algae Fish	72 hours 48 hours 96 hours 72 hours 96 hours
Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water Acute LC50 >1000000 μg/l Fresh water	Daphnia - <i>Daphnia magna</i> Fish - <i>Salmo salar</i> - Parr	48 hours 96 hours
Soft Conversion Reagent A tetrahydro-2-furylmethanol	Acute EC50 >98.9 mg/l Acute EC50 >91.7 mg/l Acute LC50 >101 mg/l	Algae Daphnia - <i>Daphnia magna</i> Fish	72 hours 48 hours 96 hours
Library Wash Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	Acute EC50 >100 mg/l Fresh water Acute LC50 >1000000 μg/l Fresh water	Daphnia - <i>Daphnia magna</i> Fish - <i>Salmo salar</i> - Parr	48 hours 96 hours
Soft Conversion Binding			
Beads Ethanol	Acute EC50 3306 mg/l Marine water Acute EC50 1074 mg/l Fresh water	Algae - <i>Ulva pertusa</i> Crustaceans - <i>Cypris</i>	96 hours 48 hours
	Acute EC50 2 mg/l Fresh water Acute LC50 11000000 μg/l Marine water	subglobosa Daphnia - Daphnia magna Fish - Alburnus alburnus	48 hours 96 hours
	Chronic NOEC 4.995 mg/l Marine water Chronic NOEC 100 ul/L Fresh water	Daphnia - Daphnia magna -	96 hours 21 days
Poly(oxy-1,2-ethanediyl), . alpha[(1,1,3,3-tetramethylbutyl) phenyl]omegahydroxy-	Acute EC50 210 μg/l Fresh water	Neonate Algae - <i>Selenastrum sp.</i>	96 hours
phonyij lonioganyuloky-	Acute LC50 10800 µg/l Marine water	Crustaceans - <i>Pandalus</i> <i>montagui</i> - Adult	48 hours
	Acute LC50 2.518 mg/l Fresh water Acute LC50 7200 μg/l Fresh water	Daphnia - <i>Daphnia magna</i> Fish - <i>Oncorhynchus mykiss</i>	48 hours 96 hours
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hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated		Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >1000000 μg/l Fresh water	Fish - Salmo salar - Parr	96 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
End Prep Enzyme Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Ligation Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-
Ligation Enzyme Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Hyb Enhancer Formamide	OECD 301A Ready Biodegradability - DOC Die-Away Test	99 % - Readily - 28 days	-	-
Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-
Soft Conversion Reagent A tetrahydro-2-furylmethanol	-	92 % - Readily - 28 days	-	-
Library Wash Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	OECD 301D Ready Biodegradability - Closed Bottle Test	74.85 % - Readily - 28 days	4 mg/l	-
Soft Conversion Binding				
Beads Guanidinium thiocyanate	OECD 302B Inherent Biodegradability: Zahn-Wellens/ EMPA Test	46 % - Inherent - 28 days	-	-
Library Binding Beads Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane-	OECD 301D Ready	74.85 % - Readily - 28 days	4 mg/l	-
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1,2-diol, ethoxylated	Biodegradability - Closed Bottle Test				
Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability		
Nuclease-Free Water water	-	-	Readily		
Ligation Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-	-	Readily		
Hyb Buffer tetramethylammonium chloride	-	-	Readily		
Hyb Enhancer Formamide Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-		Readily Readily		
Soft Conversion Reagent A tetrahydro-2-furylmethanol	-	-	Readily		
Library Wash Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-	-	Readily		
Soft Conversion Binding Beads Ethanol Guanidinium thiocyanate	- -	- -	Readily Inherent		
Library Binding Beads Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-	-	Readily		

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Nuclease-Free Water water	-1.38	-	Low
End Prep Enzyme Glycerol	-1.76	-	Low
Ligation Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-	3.2	Low
Ligation Enzyme Glycerol	-1.76	-	Low
Hyb Buffer tetramethylammonium chloride	<-1.6	-	Low
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Section 12. Ecological information			
Hyb Enhancer Formamide Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-0.82 -	- 3.2	Low Low
Soft Conversion Reagent A tetrahydro-2-furylmethanol	0.722	-	Low
Library Wash Buffer Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-	3.2	Low
Soft Conversion Binding Beads Ethanol Guanidinium thiocyanate Poly(oxy-1,2-ethanediyl), . alpha[(1,1,3,3-tetramethylbutyl) phenyl]omegahydroxy-	-0.35 <-1.7 2.7	0.5 - 78.67	Low Low Low
Library Binding Beads Poly(oxy-1,2-ethanediyl),α- hydro-ω-hydroxy- Ethane- 1,2-diol, ethoxylated	-	3.2	Low

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

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

Section 14. Transport information

	ADG	IMDG		IATA	
UN number	UN3316	UN3316	UN3316		
UN proper shipping name	CHEMICAL KIT	CHEMICAL KIT	Chemical kit		
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Section 14. Transport information

Transport hazard class(es)	9	9	9		
Packing group	11	II	II		
Environmental hazards	No.	No.	No.		

Additional information

Remarks: Excepted Quantity		
ADG	:	Hazchem code 2Z Special provisions 251, 340
IMDG	:	Emergency schedules F-A, _S-P_ Special provisions 251, 340
ΙΑΤΑ	:	Quantity limitation Passenger and Cargo Aircraft: 10 kg. Packaging instructions: 960. Cargo Aircraft Only: 10 kg. Packaging instructions: 960. Limited Quantities - Passenger Aircraft: 1 kg. Packaging instructions: Y960. Special provisions A44, A163
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

Standard for the Uniform Scheduling of Medicines and Poisons

6, 5

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

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

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.

Inventory list

Australia	: Not determined.
New Zealand	: Not determined.
United States	: Not determined.

Section 16. Any other relevant information

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

Procedure used to derive the classification

Classification	Justification
End Prep Buffer LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	Calculation method
End Prep Enzyme SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
Ligation Enzyme SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2B	Calculation method
Hyb Buffer ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	Calculation method Calculation method Calculation method Calculation method
Hyb Enhancer CARCINOGENICITY - Category 2 REPRODUCTIVE TOXICITY - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2	Calculation method Calculation method Calculation method
Soft Conversion Reagent A FLAMMABLE LIQUIDS - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A REPRODUCTIVE TOXICITY - Category 1	On basis of test data Calculation method Calculation method
Soft Conversion Reagent B SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A	Calculation method
Soft Conversion Binding Beads FLAMMABLE LIQUIDS - Category 3 SKIN CORROSION/IRRITATION - Category 1C SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category	On basis of test data Calculation method Calculation method Calculation method Calculation method

Section 16. Any other relevant information

Soft Conversion Elution Buffer SKIN CORROSION/IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

On basis of test data On basis of test data

Indicates information that has changed from previously issued version.

Notice to reader

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