

# SAFETY DATA SHEET



SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048

**Part no. (chemical kit)** : 5282-0048

**Part no.** :

SureSelect XT HS2	5191-5694
Blocker Mix 12 Hyb (96 Samples)	
SureSelect Hyb 3	5190-4382
SureSelect RNase Block	5190-4383
SureSelect Post-Capture Primer Mix	5190-9730
Herculase II Fusion DNA Polymerase	5190-7742
5X Herculase II Reaction Buffer with dNTPs	5191-6680

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

**Identified uses** :

- Analytical reagent.
- For research use only.

SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	0.09 ml
SureSelect Hyb 3	0.16 ml
SureSelect RNase Block	0.016 ml
SureSelect Post- Capture Primer Mix	0.016 ml (16 reactions)
Herculase II Fusion DNA Polymerase	0.016 ml (32 reactions)
5X Herculase II Reaction Buffer with dNTPs	0.16 ml (16 reactions)

**Uses advised against** : Not for use in diagnostic procedures (RUO).

### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies LDA UK Ltd.  
 5500 Lakeside Cheadle Royal Business Park,  
 Cheadle, Cheshire, SK8 3GR  
 United Kingdom  
 Tel: +44 (0) 345 712 5292  
 0800 603 1000

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : CHEMTREC®: +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048**

**SECTION 2: Hazards identification**

<b>Product definition</b>	:	SureSelect XT HS2	Mixture
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	Mixture
		SureSelect RNase Block	Mixture
		SureSelect Post-Capture Primer Mix	Mixture
		Herculase II Fusion DNA Polymerase	Mixture
		5X Herculase II Reaction Buffer with dNTPs	Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

<b>Ingredients of unknown toxicity</b>	:	SureSelect Hyb 3	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 1 - 10%
			Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 1 - 10%
			Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
		SureSelect RNase Block	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
		Herculase II Fusion DNA Polymerase	Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 30 - 60%
		5X Herculase II Reaction Buffer with dNTPs	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 10 - 30%
			Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 10 - 30%
			Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 1 - 10%
<b>Ingredients of unknown ecotoxicity</b>	:	SureSelect Hyb 3	Contains 2% of components with unknown hazards to the aquatic environment
		5X Herculase II Reaction Buffer with dNTPs	Contains 5.3% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements**

<b>Signal word</b>	:	SureSelect XT HS2	No signal word.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	No signal word.
		SureSelect RNase Block	No signal word.
		SureSelect Post-Capture Primer Mix	No signal word.
		Herculase II Fusion DNA Polymerase	No signal word.
		5X Herculase II Reaction Buffer with dNTPs	No signal word.

<b>Hazard statements</b>	:	SureSelect XT HS2	No known significant effects or critical hazards.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer with dNTPs	No known significant effects or critical hazards.

## SECTION 2: Hazards identification

### Precautionary statements

<b>Prevention</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not applicable.  Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Response</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not applicable.  Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Storage</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not applicable.  Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not applicable.  Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
<b>Supplemental label elements</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not applicable.  Not applicable. Safety data sheet available on request. Not applicable. Safety data sheet available on request. Safety data sheet available on request.

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**SECTION 2: Hazards identification**

<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	<b>SureSelect XT HS2</b>	Not applicable.
	<b>Blocker Mix 12 Hyb (96 Samples)</b>	
	<b>SureSelect Hyb 3</b>	Not applicable.
	<b>SureSelect RNase Block</b>	Not applicable.
	<b>SureSelect Post-Capture Primer Mix</b>	Not applicable.
	<b>Herculase II Fusion DNA Polymerase</b>	Not applicable.
	<b>5X Herculase II Reaction Buffer with dNTPs</b>	Not applicable.

**Special packaging requirements**

<b>Containers to be fitted with child-resistant fastenings</b>	<b>SureSelect XT HS2</b>	Not applicable.
	<b>Blocker Mix 12 Hyb (96 Samples)</b>	
	<b>SureSelect Hyb 3</b>	Not applicable.
	<b>SureSelect RNase Block</b>	Not applicable.
	<b>SureSelect Post-Capture Primer Mix</b>	Not applicable.
	<b>Herculase II Fusion DNA Polymerase</b>	Not applicable.
	<b>5X Herculase II Reaction Buffer with dNTPs</b>	Not applicable.

<b>Tactile warning of danger</b>	<b>SureSelect XT HS2</b>	Not applicable.
	<b>Blocker Mix 12 Hyb (96 Samples)</b>	
	<b>SureSelect Hyb 3</b>	Not applicable.
	<b>SureSelect RNase Block</b>	Not applicable.
	<b>SureSelect Post-Capture Primer Mix</b>	Not applicable.
	<b>Herculase II Fusion DNA Polymerase</b>	Not applicable.
	<b>5X Herculase II Reaction Buffer with dNTPs</b>	Not applicable.

**2.3 Other hazards**

<b>Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII</b>	<b>SureSelect XT HS2</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	<b>Blocker Mix 12 Hyb (96 Samples)</b>	
	<b>SureSelect Hyb 3</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	<b>SureSelect RNase Block</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	<b>SureSelect Post-Capture Primer Mix</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	<b>Herculase II Fusion DNA Polymerase</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
	<b>5X Herculase II Reaction Buffer with dNTPs</b>	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

<b>Other hazards which do not result in classification</b>	<b>SureSelect XT HS2</b>	None known.
	<b>Blocker Mix 12 Hyb (96 Samples)</b>	
	<b>SureSelect Hyb 3</b>	None known.
	<b>SureSelect RNase Block</b>	None known.
	<b>SureSelect Post-Capture Primer Mix</b>	None known.
	<b>Herculase II Fusion DNA Polymerase</b>	None known.
	<b>5X Herculase II Reaction Buffer with dNTPs</b>	None known.

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**SECTION 3: Composition/information on ingredients**

- 3.1 Substances**
- : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) Mixture
  - SureSelect Hyb 3 Mixture
  - SureSelect RNase Block Mixture
  - SureSelect Post- Capture Primer Mix Mixture
  - Herculase II Fusion DNA Polymerase Mixture
  - 5X Herculase II Reaction Buffer with dNTPs Mixture

Product/ingredient name	Identifiers	%	Classification	Type
<b>SureSelect RNase Block</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	UK (GB) REACH #: Annex V REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[1]
<b>5X Herculase II Reaction Buffer with dNTPs</b> Trometamol	EC: 201-064-4 CAS: 77-86-1	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
Ammonium sulphate	EC: 231-984-1 CAS: 7783-20-2	≤3	Eye Irrit. 2, H319	[1]
Hexadecan-1-ol, ethoxylated	EC: 500-014-1 CAS: 9004-95-9	<2.5	Aquatic Chronic 2, H411 <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

- Type
- SureSelect RNase Block [1] Substance with a workplace exposure limit
  - Herculase II Fusion DNA Polymerase [1] Substance with a workplace exposure limit
  - 5X Herculase II Reaction Buffer with dNTPs [1] Substance classified with a health or environmental hazard
- Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

- Eye contact**
- : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
  - SureSelect Hyb 3 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
  - SureSelect RNase Block Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
  - SureSelect Post-Capture Primer Mix Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
  - Herculase II Fusion DNA Immediately flush eyes with plenty of water, occasionally

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	Polymerase	lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	5X Herculase II Reaction Buffer with dNTPs	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.
<b>Inhalation</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect Hyb 3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect RNase Block	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect Post-Capture Primer Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Herculase II Fusion DNA Polymerase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	5X Herculase II Reaction Buffer with dNTPs	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.
<b>Skin contact</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Hyb 3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect RNase Block	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect Post-Capture Primer Mix	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Herculase II Fusion DNA Polymerase	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	5X Herculase II Reaction Buffer with dNTPs	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureSelect Hyb 3	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureSelect RNase Block	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	SureSelect Post-Capture Primer Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of

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water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

5X Herculase II Reaction Buffer with dNTPs 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.

- Protection of first-aiders :**
- SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No action shall be taken involving any personal risk or without suitable training.
  - SureSelect Hyb 3 No action shall be taken involving any personal risk or without suitable training.
  - SureSelect RNase Block No action shall be taken involving any personal risk or without suitable training.
  - SureSelect Post-Capture Primer Mix No action shall be taken involving any personal risk or without suitable training.
  - Herculase II Fusion DNA Polymerase No action shall be taken involving any personal risk or without suitable training.
  - 5X Herculase II Reaction Buffer with dNTPs No action shall be taken involving any personal risk or without suitable training.

**4.2 Most important symptoms and effects, both acute and delayed**

Over-exposure signs/symptoms

- Eye contact :**
- SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No specific data.
  - SureSelect Hyb 3 No specific data.
  - SureSelect RNase Block No specific data.
  - SureSelect Post-Capture Primer Mix No specific data.
  - Herculase II Fusion DNA Polymerase No specific data.
  - 5X Herculase II Reaction Buffer with dNTPs No specific data.
- Inhalation :**
- SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No specific data.
  - SureSelect Hyb 3 No specific data.
  - SureSelect RNase Block No specific data.
  - SureSelect Post-Capture Primer Mix No specific data.
  - Herculase II Fusion DNA Polymerase No specific data.
  - 5X Herculase II Reaction Buffer with dNTPs No specific data.
- Skin contact :**
- SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No specific data.
  - SureSelect Hyb 3 No specific data.
  - SureSelect RNase Block No specific data.
  - SureSelect Post-Capture Primer Mix No specific data.
  - Herculase II Fusion DNA Polymerase No specific data.
  - 5X Herculase II Reaction Buffer with dNTPs No specific data.

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	Buffer with dNTPs	
<b>Ingestion</b>	: SureSelect XT HS2	No specific data.
	Blocker Mix 12 Hyb (96 Samples)	
	SureSelect Hyb 3	No specific data.
	SureSelect RNase Block	No specific data.
	SureSelect Post-Capture Primer Mix	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	5X Herculase II Reaction	No specific data.
	Buffer with dNTPs	

**4.3 Indication of any immediate medical attention and special treatment needed**

<b>Notes to physician</b>	: SureSelect XT HS2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Blocker Mix 12 Hyb (96 Samples)	
	SureSelect Hyb 3	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	SureSelect RNase Block	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect Post-Capture Primer Mix	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Herculase II Fusion DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	5X Herculase II Reaction	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Buffer with dNTPs	

<b>Specific treatments</b>	: SureSelect XT HS2	No specific treatment.
	Blocker Mix 12 Hyb (96 Samples)	
	SureSelect Hyb 3	No specific treatment.
	SureSelect RNase Block	No specific treatment.
	SureSelect Post-Capture Primer Mix	No specific treatment.
	Herculase II Fusion DNA Polymerase	No specific treatment.
	5X Herculase II Reaction	No specific treatment.
	Buffer with dNTPs	

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	: SureSelect XT HS2	Use an extinguishing agent suitable for the surrounding fire.
	Blocker Mix 12 Hyb (96 Samples)	
	SureSelect Hyb 3	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect RNase Block	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect Post-Capture Primer Mix	Use an extinguishing agent suitable for the surrounding fire.
	Herculase II Fusion DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
	5X Herculase II Reaction	Use an extinguishing agent suitable for the surrounding fire.
	Buffer with dNTPs	

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**SECTION 5: Firefighting measures**

<b>Unsuitable extinguishing media</b>	<b>Unsuitable extinguishing media</b> :	SureSelect XT HS2	None known.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	None known.
		SureSelect RNase Block	None known.
		SureSelect Post-Capture Primer Mix	None known.
		Herculase II Fusion DNA Polymerase	None known.
		5X Herculase II Reaction Buffer with dNTPs	None known.

**5.2 Special hazards arising from the substance or mixture**

<b>Hazards from the substance or mixture</b>	<b>Hazards from the substance or mixture</b> :	SureSelect XT HS2	In a fire or if heated, a pressure increase will occur and the container may burst.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	In a fire or if heated, a pressure increase will occur and the container may burst.
		SureSelect RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
		SureSelect Post-Capture Primer Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
		Herculase II Fusion DNA Polymerase	In a fire or if heated, a pressure increase will occur and the container may burst.
		5X Herculase II Reaction Buffer with dNTPs	In a fire or if heated, a pressure increase will occur and the container may burst.

<b>Hazardous combustion products</b>	<b>Hazardous combustion products</b> :	SureSelect XT HS2	No specific data.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds carbonyl halides
		SureSelect RNase Block	Decomposition products may include the following materials: carbon dioxide carbon monoxide
		SureSelect Post-Capture Primer Mix	No specific data.
		Herculase II Fusion DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
		5X Herculase II Reaction Buffer with dNTPs	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides metal oxide/oxides

**5.3 Advice for firefighters**

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**SECTION 5: Firefighting measures**

<b>Special protective actions for fire-fighters</b>	:	SureSelect XT HS2	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.
		Blocker Mix 12 Hyb (96 Samples)	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
		SureSelect Hyb 3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
		SureSelect RNase Block	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
		SureSelect Post-Capture Primer Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
		Herculase II Fusion DNA Polymerase	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
		5X Herculase II Reaction Buffer with dNTPs	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.
<b>Special protective equipment for fire-fighters</b>	:	SureSelect XT HS2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		Blocker Mix 12 Hyb (96 Samples)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		SureSelect Hyb 3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		SureSelect RNase Block	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		SureSelect Post-Capture Primer Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		Herculase II Fusion DNA Polymerase	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
		5X Herculase II Reaction Buffer with dNTPs	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	:	SureSelect XT HS2	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.
		Blocker Mix 12 Hyb (96 Samples)	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
		SureSelect Hyb 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
		SureSelect RNase Block	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
		SureSelect Post-Capture Primer Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
		Herculase II Fusion DNA Polymerase	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do

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		not touch or walk through spilt material. Put on appropriate personal protective equipment.
	5X Herculase II Reaction Buffer with dNTPs	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.
<b>For emergency responders</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect Hyb 3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect RNase Block	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SureSelect Post-Capture Primer Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	Herculase II Fusion DNA Polymerase	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	5X Herculase II Reaction Buffer with dNTPs	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".
<b>6.2 Environmental precautions</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureSelect Hyb 3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureSelect RNase Block	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	SureSelect Post-Capture Primer Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	Herculase II Fusion DNA Polymerase	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	5X Herculase II Reaction Buffer with dNTPs	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).

### 6.3 Methods and material for containment and cleaning up

**SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048**

**SECTION 6: Accidental release measures**

<b>Methods for cleaning up</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureSelect Hyb 3	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureSelect RNase Block	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	SureSelect Post-Capture Primer Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Herculase II Fusion DNA Polymerase	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	5X Herculase II Reaction Buffer with dNTPs	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.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
 See Section 8 for information on appropriate personal protective equipment.  
 See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

<b>Protective measures</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Hyb 3	Put on appropriate personal protective equipment (see Section 8).
	SureSelect RNase Block	Put on appropriate personal protective equipment (see Section 8).
	SureSelect Post-Capture Primer Mix	Put on appropriate personal protective equipment (see Section 8).
	Herculase II Fusion DNA Polymerase	Put on appropriate personal protective equipment (see Section 8).
	5X Herculase II Reaction Buffer with dNTPs	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	SureSelect Hyb 3	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8

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**SECTION 7: Handling and storage**

SureSelect RNase Block	for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect Post-Capture Primer Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Herculase II Fusion DNA Polymerase	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
5X Herculase II Reaction Buffer with dNTPs	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.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage**

: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Hyb 3	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect RNase Block	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
SureSelect Post-Capture Primer Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been

## SECTION 7: Handling and storage

	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.
Herculase II Fusion DNA Polymerase	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
5X Herculase II Reaction Buffer with dNTPs	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.

### 7.3 Specific end use(s)

<b>Recommendations</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Industrial applications, Professional applications.
		SureSelect Hyb 3	Industrial applications, Professional applications.
		SureSelect RNase Block	Industrial applications, Professional applications.
		SureSelect Post-Capture Primer Mix	Industrial applications, Professional applications.
		Herculase II Fusion DNA Polymerase	Industrial applications, Professional applications.
		5X Herculase II Reaction Buffer with dNTPs	Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Not available.
		SureSelect Hyb 3	Not available.
		SureSelect RNase Block	Not available.
		SureSelect Post-Capture Primer Mix	Not available.
		Herculase II Fusion DNA Polymerase	Not available.
		5X Herculase II Reaction Buffer with dNTPs	Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

**SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048**

## SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
<b>SureSelect RNase Block</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	<b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b> TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Mist

### Biological exposure indices

No exposure indices known.

**Recommended monitoring procedures** : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
<b>SureSelect RNase Block</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	DNEL	Long term Inhalation	33 mg/m <sup>3</sup>	General population	Local
	DNEL	Long term Inhalation	56 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long term Oral	229 mg/kg bw/day	General population	Systemic
<b>5X Herculase II Reaction Buffer with dNTPs</b> Trometamol	DNEL	Long term Oral	8.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	29 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Dermal	83.3 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	117.5 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	166.7 mg/kg bw/day	Workers	Systemic
Ammonium sulphate	DNEL	Long term Inhalation	1.667 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term Oral	6.4 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	11.167 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	12.8 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	42.667 mg/kg bw/day	Workers	Systemic
Hexadecan-1-ol, ethoxylated	DNEL	Long term Oral	25 mg/kg bw/day	General population	Systemic
	DNEL	Long term Inhalation	87 mg/m <sup>3</sup>	General population	Systemic
	DNEL	Long term	294 mg/m <sup>3</sup>	Workers	Systemic

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## SECTION 8: Exposure controls/personal protection

	DNEL	Inhalation Long term Dermal	1250 mg/ kg bw/day	General population	Systemic
	DNEL	Long term Dermal	2080 mg/ kg bw/day	Workers	Systemic

### PNECs

No PNECs available

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### 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.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**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.

## SECTION 9: Physical and chemical properties

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

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : SureSelect XT HS2 Liquid.  
 Blocker Mix 12 Hyb (96 Samples)  
 SureSelect Hyb 3 Liquid.  
 SureSelect RNase Block Liquid.  
 SureSelect Post-Capture Primer Mix Liquid.  
 Herculase II Fusion DNA Polymerase  
 5X Herculase II Reaction Buffer with dNTPs

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<b>Colour</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not available. Not available. Not available. Not available. Not available. Not available.
<b>Odour</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not available. Not available. Not available. Not available. Not available. Not available.
<b>Odour threshold</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not available. Not available. Not available. Not available. Not available. Not available.
<b>Melting point/freezing point</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	0°C 0°C Not available. 0°C Not available. Not available.
<b>Initial boiling point and boiling range</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	100°C 100°C Not available. 100°C Not available. Not available.

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**SECTION 9: Physical and chemical properties**

**Flammability** : SureSelect XT HS2 Not applicable.  
 Blocker Mix 12 Hyb (96 Samples)  
 SureSelect Hyb 3 Not applicable.  
 SureSelect RNase Block Not applicable.  
 SureSelect Post-Capture Primer Mix Not applicable.  
 Herculase II Fusion DNA Polymerase Not applicable.  
 5X Herculase II Reaction Buffer with dNTPs Not applicable.

**Upper/lower flammability or explosive limits** : SureSelect XT HS2 Not available.  
 Blocker Mix 12 Hyb (96 Samples)  
 SureSelect Hyb 3 Not available.  
 SureSelect RNase Block Not available.  
 SureSelect Post-Capture Primer Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 5X Herculase II Reaction Buffer with dNTPs Not available.

**Flash point** :

Ingredient name	Closed cup		Open cup	
	°C	Method	°C	Method
<b>SureSelect RNase Block</b>				
Glycerol			177	
<b>Herculase II Fusion DNA Polymerase</b>				
Glycerol			177	

**Auto-ignition temperature** :

Ingredient name	°C	Method
<b>SureSelect RNase Block</b>		
Glycerol	370	
<b>Herculase II Fusion DNA Polymerase</b>		
Glycerol	370	

**Decomposition temperature** : SureSelect XT HS2 Not available.  
 Blocker Mix 12 Hyb (96 Samples)  
 SureSelect Hyb 3 Not available.  
 SureSelect RNase Block Not available.  
 SureSelect Post-Capture Primer Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 5X Herculase II Reaction Buffer with dNTPs Not available.

**pH** : SureSelect XT HS2 7.5  
 Blocker Mix 12 Hyb (96 Samples)  
 SureSelect Hyb 3 7  
 SureSelect RNase Block 7.6  
 SureSelect Post-Capture Primer Mix 7.5  
 Herculase II Fusion DNA 8.2

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**SECTION 9: Physical and chemical properties**

Polymerase  
 5X Herculase II Reaction 10  
 Buffer with dNTPs

**Viscosity** : SureSelect XT HS2 Not available.  
 Blocker Mix 12 Hyb (96 Samples)  
 SureSelect Hyb 3 Not available.  
 SureSelect RNase Block Not available.  
 SureSelect Post-Capture Primer Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 5X Herculase II Reaction Buffer with dNTPs Not available.

**Solubility(ies)** :

Media	Result
<b>SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)</b> water	Soluble
<b>SureSelect Hyb 3</b> water	Soluble
<b>SureSelect RNase Block</b> water	Soluble
<b>SureSelect Post-Capture Primer Mix</b> water	Soluble
<b>Herculase II Fusion DNA Polymerase</b> water	Soluble
<b>5X Herculase II Reaction Buffer with dNTPs</b> water	Soluble

**Partition coefficient: n-octanol/water** : SureSelect XT HS2 Not applicable.  
 Blocker Mix 12 Hyb (96 Samples)  
 SureSelect Hyb 3 Not applicable.  
 SureSelect RNase Block Not applicable.  
 SureSelect Post-Capture Primer Mix Not applicable.  
 Herculase II Fusion DNA Polymerase Not applicable.  
 5X Herculase II Reaction Buffer with dNTPs Not applicable.

**Vapour pressure** :

Ingredient name	Vapour Pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)</b> water	23.8	3.2		92.258	12.3	
<b>SureSelect Hyb 3</b> water	23.8	3.2		92.258	12.3	
<b>SureSelect RNase Block</b>						

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**SECTION 9: Physical and chemical properties**

water	23.8	3.2		92.258	12.3
Glycerol	0.000075	0.00001		0.0025	0.00033
<b>SureSelect Post-Capture Primer Mix</b>					
water	23.8	3.2		92.258	12.3
<b>Herculase II Fusion DNA Polymerase</b>					
water	23.8	3.2		92.258	12.3
Glycerol	0.000075	0.00001		0.0025	0.00033
<b>5X Herculase II Reaction Buffer with dNTPs</b>					
water	23.8	3.2		92.258	12.3
Trometamol	<0.00075006	<0.0001			

**Evaporation rate** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) Not available.  
 SureSelect Hyb 3 Not available.  
 SureSelect RNase Block Not available.  
 SureSelect Post-Capture Primer Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 5X Herculase II Reaction Buffer with dNTPs Not available.

**Relative density** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) Not available.  
 SureSelect Hyb 3 Not available.  
 SureSelect RNase Block Not available.  
 SureSelect Post-Capture Primer Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 5X Herculase II Reaction Buffer with dNTPs Not available.

**Vapour density** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) Not available.  
 SureSelect Hyb 3 Not available.  
 SureSelect RNase Block Not available.  
 SureSelect Post-Capture Primer Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 5X Herculase II Reaction Buffer with dNTPs Not available.

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**SECTION 9: Physical and chemical properties**

<b>Explosive properties</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not available. Not available. Not available. Not available. Not available. Not available.
<b>Oxidising properties</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not available. Not available. Not available. Not available. Not available. Not available.

**Particle characteristics**

<b>Median particle size</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
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**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	:	SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix	The product is stable. The product is stable. The product is stable. The product is stable.

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**SECTION 10: Stability and reactivity**

Herculase II Fusion DNA Polymerase The product is stable.  
 5X Herculase II Reaction Buffer with dNTPs The product is stable.

**10.3 Possibility of hazardous reactions**

: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 Under normal conditions of storage and use, hazardous reactions will not occur.  
 SureSelect RNase Block Under normal conditions of storage and use, hazardous reactions will not occur.  
 SureSelect Post-Capture Primer Mix Under normal conditions of storage and use, hazardous reactions will not occur.  
 Herculase II Fusion DNA Polymerase Under normal conditions of storage and use, hazardous reactions will not occur.  
 5X Herculase II Reaction Buffer with dNTPs Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid**

: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs No specific data.

**10.5 Incompatible materials**

: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs May react or be incompatible with oxidising materials.

**10.6 Hazardous decomposition products**

: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>SureSelect RNase Block</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-
<b>5X Herculase II Reaction Buffer with dNTPs</b> Trometamol	LD50 Dermal	Rat	>5000 mg/kg	-
Ammonium sulphate	LD50 Oral	Rat	2840 mg/kg	-
Hexadecan-1-ol, ethoxylated	LD50 Oral	Rat	2500 mg/kg	-

#### 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)
<b>SureSelect RNase Block</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	12600	N/A	N/A	N/A	N/A
<b>5X Herculase II Reaction Buffer with dNTPs</b> Ammonium sulphate	2840	N/A	N/A	N/A	N/A
Hexadecan-1-ol, ethoxylated	2500	N/A	N/A	N/A	N/A

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>SureSelect RNase Block</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>5X Herculase II Reaction Buffer with dNTPs</b> Trometamol	Skin - Moderate irritant	Rabbit	-	25 %	-
	Skin - Severe irritant	Rabbit	-	500 mg	-

#### Sensitiser

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

## SECTION 11: Toxicological information

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** :

SureSelect XT HS2	Not available.
Blocker Mix 12 Hyb (96 Samples)	
SureSelect Hyb 3	Not available.
SureSelect RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect Post-Capture Primer Mix	Not available.
Herculase II Fusion DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
5X Herculase II Reaction Buffer with dNTPs	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

<b>Inhalation</b>	:	SureSelect XT HS2	No known significant effects or critical hazards.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer with dNTPs	No known significant effects or critical hazards.
<b>Ingestion</b>	:	SureSelect XT HS2	No known significant effects or critical hazards.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer with dNTPs	No known significant effects or critical hazards.
<b>Skin contact</b>	:	SureSelect XT HS2	No known significant effects or critical hazards.
		Blocker Mix 12 Hyb (96 Samples)	
		SureSelect Hyb 3	No known significant effects or critical hazards.
		SureSelect RNase Block	No known significant effects or critical hazards.
		SureSelect Post-Capture Primer Mix	No known significant effects or critical hazards.
		Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
		5X Herculase II Reaction Buffer with dNTPs	No known significant effects or critical hazards.

## SECTION 11: Toxicological information

<b>Eye contact</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
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### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	No specific data. No specific data. No specific data. No specific data. No specific data.
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<b>Ingestion</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	No specific data. No specific data. No specific data. No specific data. No specific data.
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<b>Skin contact</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	No specific data. No specific data. No specific data. No specific data. No specific data.
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<b>Eye contact</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) SureSelect Hyb 3 SureSelect RNase Block SureSelect Post-Capture Primer Mix Herculase II Fusion DNA Polymerase 5X Herculase II Reaction Buffer with dNTPs	No specific data. No specific data. No specific data. No specific data. No specific data.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

<b>Potential immediate effects</b>	: Not available.
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## SECTION 11: Toxicological information

**Potential delayed effects** : Not available.

### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

**General** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No known significant effects or critical hazards.

SureSelect Hyb 3 No known significant effects or critical hazards.

SureSelect RNase Block No known significant effects or critical hazards.

SureSelect Post-Capture Primer Mix No known significant effects or critical hazards.

Herculase II Fusion DNA Polymerase No known significant effects or critical hazards.

5X Herculase II Reaction Buffer with dNTPs No known significant effects or critical hazards.

**Carcinogenicity** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No known significant effects or critical hazards.

SureSelect Hyb 3 No known significant effects or critical hazards.

SureSelect RNase Block No known significant effects or critical hazards.

SureSelect Post-Capture Primer Mix No known significant effects or critical hazards.

Herculase II Fusion DNA Polymerase No known significant effects or critical hazards.

5X Herculase II Reaction Buffer with dNTPs No known significant effects or critical hazards.

**Mutagenicity** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No known significant effects or critical hazards.

SureSelect Hyb 3 No known significant effects or critical hazards.

SureSelect RNase Block No known significant effects or critical hazards.

SureSelect Post-Capture Primer Mix No known significant effects or critical hazards.

Herculase II Fusion DNA Polymerase No known significant effects or critical hazards.

5X Herculase II Reaction Buffer with dNTPs No known significant effects or critical hazards.

**Reproductive toxicity** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) No known significant effects or critical hazards.

SureSelect Hyb 3 No known significant effects or critical hazards.

SureSelect RNase Block No known significant effects or critical hazards.

SureSelect Post-Capture Primer Mix No known significant effects or critical hazards.

Herculase II Fusion DNA Polymerase No known significant effects or critical hazards.

5X Herculase II Reaction Buffer with dNTPs No known significant effects or critical hazards.

**Other information** : SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples) Not available.

SureSelect Hyb 3 Not available.

SureSelect RNase Block Adverse symptoms may include the following: May cause skin sensitisation.

SureSelect Post-Capture Primer Mix Not available.

**SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048**

**SECTION 11: Toxicological information**

Herculase II Fusion DNA Not available.  
 Polymerase  
 5X Herculase II Reaction Not available.  
 Buffer with dNTPs

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
<b>SureSelect RNase Block</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - Oncorhynchus mykiss	96 hours
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Trout - Oncorhynchus mykiss	96 hours
<b>5X Herculase II Reaction Buffer with dNTPs</b> Trometamol	Acute EC50 >980 mg/l Fresh water Acute NOEC 520 mg/l Fresh water	Daphnia Daphnia	48 hours 48 hours
Ammonium sulphate	Chronic NOEC 7.5 mg/l Marine water	Algae - Diatom - Phaeodactylum tricornutum - Exponential growth phase	96 hours
Hexadecan-1-ol, ethoxylated	Acute LC50 330000 to 1000000 µg/l Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon - Adult	48 hours

**Conclusion/Summary** : Not available.

**12.2 Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
<b>SureSelect RNase Block</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>5X Herculase II Reaction Buffer with dNTPs</b> Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days	30 mg/l	-

**Conclusion/Summary** : Not available.

SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048

## SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>5X Herculanse II Reaction Buffer with dNTPs</b>			
Trometamol	-	-	Readily
Ammonium sulphate	-	-	Readily
Hexadecan-1-ol, ethoxylated	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>SureSelect RNase Block</b>			
Glycerol	-1.76	-	low
<b>Herculanse II Fusion DNA Polymerase</b>			
Glycerol	-1.76	-	low
<b>5X Herculanse II Reaction Buffer with dNTPs</b>			
Trometamol	-2.31	-	low
Ammonium sulphate	-5.1	-	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : 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.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048**

**SECTION 14: Transport information**

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

Additional information

**14.6 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.

**14.7 Transport in bulk according to IMO instruments** : Not available.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
UK (GB)/REACH

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants

Not listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

Ingredient name	CAS no.	Status
5X Herculase II Reaction Buffer with dNTPs Ammonium sulphate	7783-20-2	65

**SureSelect XT HS2 Target Enrichment Kit for ILM Overnight Hyb Module, Box 2 (Post PCR) 12 Hybridizations (96 Samples), Part Number 5282-0048**

## SECTION 15: Regulatory information

<b>Label</b>	: SureSelect XT HS2 Blocker Mix 12 Hyb (96 Samples)	Not applicable.
	SureSelect Hyb 3	Not applicable.
	SureSelect RNase Block	Not applicable.
	SureSelect Post- Capture Primer Mix	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	5X Herculase II Reaction Buffer with dNTPs	Not applicable.

### Seveso Directive

This product is not controlled under the Seveso Directive.

### EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments might still be required.

### 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

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Eurasian Economic Union</b>	: <b>Russian Federation inventory:</b> Not determined.
<b>Japan</b>	: <b>Japan inventory (CSCL):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.

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## SECTION 16: Other information

Indicates information that has changed from previously issued version.

### Abbreviations and acronyms

: ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 N/A = Not available  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification

Not classified.

### Full text of abbreviated H statements

5X Herculase

II Reaction

Buffer with

dNTPs

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

### Full text of classifications

5X Herculase II

Reaction Buffer

with dNTPs

Aquatic Chronic 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2

Date of issue/ Date of revision : 23/02/2023

Date of previous issue : No previous validation

Version : 1

### Notice to reader

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