

# SAFETY DATA SHEET



SureSelect QXT Library Prep Kit -NSQ-Box 2-16 Reactions, Part Number 5500-0126

## Section 1. Identification

### 1.1 Product identifier

<b>Product name</b>	: SureSelect QXT Library Prep Kit -NSQ-Box 2-16 Reactions, Part Number 5500-0126	
<b>Part no. (chemical kit)</b>	: 5500-0126	
<b>Part no.</b>	: DMSO	5190-7741
	Herculase II 5X Rxn Buffer	5190-7743
	100 mM dNTP Mix	5190-7740
	Herculase II Fusion DNA Polymerase	5190-7742
	SureSelect QXT Enzyme Mix ILM	5190-7046
	SureSelect QXT Buffer	5190-7047
	SureSelect QXT P7 i1	5190-7091
	SureSelect QXT P7 i2	5190-7092
	SureSelect QXT P7 i3	5190-7093
	SureSelect QXT P7 i4	5190-7094
	SureSelect QXT P7 i5	5190-7095
	SureSelect QXT P7 i6	5190-7060
	SureSelect QXT P7 i7	5190-7257
	SureSelect QXT P7 i8	5190-7258
	SureSelect QXT P5 i13	5190-7259
	SureSelect QXT P5 i14	5190-7260
	SureSelect QXT Read Primer 1	5190-7948
	SureSelect QXT Read Primer 2	5190-7050
	SureSelect QXT Index 1 Read Primer	5191-4061
	SureSelect QXT Index 2 Read Primer	5191-4063

**Validation date** : 1/31/2024

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

<b>Identified uses</b>	: <input checked="" type="checkbox"/> Analytical reagent.	
	<input checked="" type="checkbox"/> DMSO	1.02 ml
	Herculase II 5X Rxn Buffer	0.35 ml (32 reactions)
	100 mM dNTP Mix	0.02 ml (32 reactions)
	Herculase II Fusion DNA Polymerase	0.04 ml (32 reactions)
	SureSelect QXT Enzyme Mix ILM	0.04 ml (16 reactions)
	SureSelect QXT Buffer	0.3 ml (16 reactions)
	SureSelect QXT P7 i1	0.015 ml (16 reactions)
	SureSelect QXT P7 i2	0.015 ml (16 reactions)
	SureSelect QXT P7 i3	0.015 ml (16 reactions)
	SureSelect QXT P7 i4	0.015 ml (16 reactions)
	SureSelect QXT P7 i5	0.015 ml (16 reactions)
	SureSelect QXT P7 i6	0.015 ml (16 reactions)
	SureSelect QXT P7 i7	0.015 ml (16 reactions)
	SureSelect QXT P7 i8	0.015 ml (16 reactions)
	SureSelect QXT P5 i13	0.020 ml (16 reactions)
	SureSelect QXT P5 i14	0.020 ml (16 reactions)
	SureSelect QXT Read Primer 1	0.265 ml (16 reactions)
	SureSelect QXT Read Primer 2	0.265 ml (16 reactions)
	SureSelect QXT Index 1 Read Primer	0.4 ml (16 reactions)
	SureSelect QXT Index 2 Read Primer	0.4 ml (16 reactions)

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

**Supplier/Manufacturer** : Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 800-227-9770

## Section 1. Identification

### 1.4 Emergency telephone number

**In case of emergency** : CHEMTREC®: 1-800-424-9300

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

<b>OSHA/HCS status</b>	: DMSO	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	Herculase II 5X Rxn Buffer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	100 mM dNTP Mix	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	Herculase II Fusion DNA Polymerase	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	SureSelect QXT Enzyme Mix ILM	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	SureSelect QXT Buffer	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
	SureSelect QXT P7 i1	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect QXT P7 i2	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect QXT P7 i3	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect QXT P7 i4	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect QXT P7 i5	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
	SureSelect QXT P7 i6	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR

## Section 2. Hazards identification

	1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT P7 i7	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT P7 i8	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT P5 i13	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT P5 i14	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT Read Primer 1	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT Read Primer 2	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT Index 1 Read Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
SureSelect QXT Index 2 Read Primer	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

### [Classification of the substance or mixture](#)

## Section 2. Hazards identification

### DMSO

H227 FLAMMABLE LIQUIDS - Category 4  
H320 EYE IRRITATION - Category 2B

### Herculase II Fusion DNA

#### Polymerase

H320 EYE IRRITATION - Category 2B

### SureSelect QXT Enzyme Mix

#### ILM

H320 EYE IRRITATION - Category 2B

### SureSelect QXT Buffer

H320 EYE IRRITATION - Category 2B

100 mM dNTP Mix

Percentage of the mixture consisting of ingredient (s) of unknown hazards to the aquatic environment: 5.7%

## 2.2 GHS label elements

### Signal word

: DMSO	Warning
Herculase II 5X Rxn Buffer	No signal word.
100 mM dNTP Mix	No signal word.
Herculase II Fusion DNA	Warning
Polymerase	
SureSelect QXT Enzyme Mix ILM	Warning
SureSelect QXT Buffer	Warning
SureSelect QXT P7 i1	No signal word.
SureSelect QXT P7 i2	No signal word.
SureSelect QXT P7 i3	No signal word.
SureSelect QXT P7 i4	No signal word.
SureSelect QXT P7 i5	No signal word.
SureSelect QXT P7 i6	No signal word.
SureSelect QXT P7 i7	No signal word.
SureSelect QXT P7 i8	No signal word.
SureSelect QXT P5 i13	No signal word.
SureSelect QXT P5 i14	No signal word.
SureSelect QXT Read Primer 1	No signal word.
SureSelect QXT Read Primer 2	No signal word.
SureSelect QXT Index 1 Read Primer	No signal word.
SureSelect QXT Index 2 Read Primer	No signal word.

### Hazard statements

: DMSO	H227 - Combustible liquid. H320 - Causes eye irritation.
Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
100 mM dNTP Mix	No known significant effects or critical hazards.
Herculase II Fusion DNA	H320 - Causes eye irritation.
Polymerase	
SureSelect QXT Enzyme Mix ILM	H320 - Causes eye irritation.
SureSelect QXT Buffer	H320 - Causes eye irritation.
SureSelect QXT P7 i1	No known significant effects or critical hazards.
SureSelect QXT P7 i2	No known significant effects or critical hazards.
SureSelect QXT P7 i3	No known significant effects or critical hazards.
SureSelect QXT P7 i4	No known significant effects or critical hazards.
SureSelect QXT P7 i5	No known significant effects or critical hazards.
SureSelect QXT P7 i6	No known significant effects or critical hazards.
SureSelect QXT P7 i7	No known significant effects or critical hazards.
SureSelect QXT P7 i8	No known significant effects or critical hazards.

## Section 2. Hazards identification

SureSelect QXT P5 i13	No known significant effects or critical hazards.
SureSelect QXT P5 i14	No known significant effects or critical hazards.
SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.

### Precautionary statements

#### Prevention

: DMSO	P210 - Keep away from flames and hot surfaces. No smoking.
Herculase II 5X Rxn Buffer	Not applicable.
100 mM dNTP Mix	Not applicable.
Herculase II Fusion DNA Polymerase	Not applicable.
SureSelect QXT Enzyme Mix ILM	Not applicable.
SureSelect QXT Buffer	Not applicable.
SureSelect QXT P7 i1	Not applicable.
SureSelect QXT P7 i2	Not applicable.
SureSelect QXT P7 i3	Not applicable.
SureSelect QXT P7 i4	Not applicable.
SureSelect QXT P7 i5	Not applicable.
SureSelect QXT P7 i6	Not applicable.
SureSelect QXT P7 i7	Not applicable.
SureSelect QXT P7 i8	Not applicable.
SureSelect QXT P5 i13	Not applicable.
SureSelect QXT P5 i14	Not applicable.
SureSelect QXT Read Primer 1	Not applicable.
SureSelect QXT Read Primer 2	Not applicable.
SureSelect QXT Index 1 Read Primer	Not applicable.
SureSelect QXT Index 2 Read Primer	Not applicable.

#### Response

: DMSO	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.
Herculase II 5X Rxn Buffer	Not applicable.
100 mM dNTP Mix	Not applicable.
Herculase II Fusion DNA Polymerase	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
SureSelect QXT Enzyme Mix ILM	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
SureSelect QXT Buffer	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.

## Section 2. Hazards identification

	SureSelect QXT P7 i1	Not applicable.
	SureSelect QXT P7 i2	Not applicable.
	SureSelect QXT P7 i3	Not applicable.
	SureSelect QXT P7 i4	Not applicable.
	SureSelect QXT P7 i5	Not applicable.
	SureSelect QXT P7 i6	Not applicable.
	SureSelect QXT P7 i7	Not applicable.
	SureSelect QXT P7 i8	Not applicable.
	SureSelect QXT P5 i13	Not applicable.
	SureSelect QXT P5 i14	Not applicable.
	SureSelect QXT Read Primer 1	Not applicable.
	SureSelect QXT Read Primer 2	Not applicable.
	SureSelect QXT Index 1 Read Primer	Not applicable.
	SureSelect QXT Index 2 Read Primer	Not applicable.
<b>Storage</b>	<b>:</b> DMSO	P403 + P235 - Store in a well-ventilated place. Keep cool.
	Herculase II 5X Rxn Buffer	Not applicable.
	100 mM dNTP Mix	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	SureSelect QXT Enzyme Mix ILM	Not applicable.
	SureSelect QXT Buffer	Not applicable.
	SureSelect QXT P7 i1	Not applicable.
	SureSelect QXT P7 i2	Not applicable.
	SureSelect QXT P7 i3	Not applicable.
	SureSelect QXT P7 i4	Not applicable.
	SureSelect QXT P7 i5	Not applicable.
	SureSelect QXT P7 i6	Not applicable.
	SureSelect QXT P7 i7	Not applicable.
	SureSelect QXT P7 i8	Not applicable.
	SureSelect QXT P5 i13	Not applicable.
	SureSelect QXT P5 i14	Not applicable.
	SureSelect QXT Read Primer 1	Not applicable.
	SureSelect QXT Read Primer 2	Not applicable.
	SureSelect QXT Index 1 Read Primer	Not applicable.
	SureSelect QXT Index 2 Read Primer	Not applicable.
<b>Disposal</b>	<b>:</b> DMSO	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Herculase II 5X Rxn Buffer	Not applicable.
	100 mM dNTP Mix	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	SureSelect QXT Enzyme Mix ILM	Not applicable.
	SureSelect QXT Buffer	Not applicable.
	SureSelect QXT P7 i1	Not applicable.
	SureSelect QXT P7 i2	Not applicable.
	SureSelect QXT P7 i3	Not applicable.
	SureSelect QXT P7 i4	Not applicable.
	SureSelect QXT P7 i5	Not applicable.
	SureSelect QXT P7 i6	Not applicable.
	SureSelect QXT P7 i7	Not applicable.
	SureSelect QXT P7 i8	Not applicable.
	SureSelect QXT P5 i13	Not applicable.
	SureSelect QXT P5 i14	Not applicable.
	SureSelect QXT Read Primer 1	Not applicable.

## Section 2. Hazards identification

	SureSelect QXT Read Primer 2	Not applicable.
	SureSelect QXT Index 1 Read Primer	Not applicable.
	SureSelect QXT Index 2 Read Primer	Not applicable.
<b>Supplemental label elements</b>	: DMSO	None known.
	Herculase II 5X Rxn Buffer	None known.
	100 mM dNTP Mix	None known.
	Herculase II Fusion DNA Polymerase	None known.
	SureSelect QXT Enzyme Mix ILM	None known.
	SureSelect QXT Buffer	None known.
	SureSelect QXT P7 i1	None known.
	SureSelect QXT P7 i2	None known.
	SureSelect QXT P7 i3	None known.
	SureSelect QXT P7 i4	None known.
	SureSelect QXT P7 i5	None known.
	SureSelect QXT P7 i6	None known.
	SureSelect QXT P7 i7	None known.
	SureSelect QXT P7 i8	None known.
	SureSelect QXT P5 i13	None known.
	SureSelect QXT P5 i14	None known.
	SureSelect QXT Read Primer 1	None known.
	SureSelect QXT Read Primer 2	None known.
	SureSelect QXT Index 1 Read Primer	None known.
	SureSelect QXT Index 2 Read Primer	None known.

### 2.3 Other hazards

<b>Hazards not otherwise classified</b>	: DMSO	None known.
	Herculase II 5X Rxn Buffer	None known.
	100 mM dNTP Mix	None known.
	Herculase II Fusion DNA Polymerase	None known.
	SureSelect QXT Enzyme Mix ILM	None known.
	SureSelect QXT Buffer	None known.
	SureSelect QXT P7 i1	None known.
	SureSelect QXT P7 i2	None known.
	SureSelect QXT P7 i3	None known.
	SureSelect QXT P7 i4	None known.
	SureSelect QXT P7 i5	None known.
	SureSelect QXT P7 i6	None known.
	SureSelect QXT P7 i7	None known.
	SureSelect QXT P7 i8	None known.
	SureSelect QXT P5 i13	None known.
	SureSelect QXT P5 i14	None known.
	SureSelect QXT Read Primer 1	None known.
	SureSelect QXT Read Primer 2	None known.
	SureSelect QXT Index 1 Read Primer	None known.
	SureSelect QXT Index 2 Read Primer	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	:	DMSO	Substance
		Herculase II 5X Rxn Buffer	Mixture
		100 mM dNTP Mix	Mixture
		Herculase II Fusion DNA Polymerase	Mixture
		SureSelect QXT Enzyme Mix ILM	Mixture
		SureSelect QXT Buffer	Mixture
		SureSelect QXT P7 i1	Mixture
		SureSelect QXT P7 i2	Mixture
		SureSelect QXT P7 i3	Mixture
		SureSelect QXT P7 i4	Mixture
		SureSelect QXT P7 i5	Mixture
		SureSelect QXT P7 i6	Mixture
		SureSelect QXT P7 i7	Mixture
		SureSelect QXT P7 i8	Mixture
		SureSelect QXT P5 i13	Mixture
		SureSelect QXT P5 i14	Mixture
		SureSelect QXT Read Primer 1	Mixture
		SureSelect QXT Read Primer 2	Mixture
		SureSelect QXT Index 1 Read Primer	Mixture
		SureSelect QXT Index 2 Read Primer	Mixture

Ingredient name	%	CAS number
<b>DMSO</b>		
Dimethyl sulfoxide	100	67-68-5
<b>Herculase II 5X Rxn Buffer</b>		
Trometamol	≤3	77-86-1
Hexadecan-1-ol, ethoxylated	<2.5	9004-95-9
<b>Herculase II Fusion DNA Polymerase</b>		
Glycerol	≥50 - ≤75	56-81-5
<b>SureSelect QXT Enzyme Mix ILM</b>		
Glycerol	≥50 - ≤75	56-81-5
Potassium chloride	≤3	7447-40-7
<b>SureSelect QXT Buffer</b>		
Glycerol	≥50 - ≤75	56-81-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

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

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

#### Eye contact

: DMSO

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.

Herculase II 5X Rxn Buffer

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

100 mM dNTP Mix

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Herculase II Fusion DNA Polymerase

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.

SureSelect QXT Enzyme Mix ILM

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.

SureSelect QXT Buffer

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If irritation persists, get medical attention.

SureSelect QXT P7 i1

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 QXT P7 i2

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 QXT P7 i3

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 QXT P7 i4

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 QXT P7 i5

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 QXT P7 i6

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 QXT P7 i7

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 QXT P7 i8

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get

## Section 4. First aid measures

SureSelect QXT P5 i13	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect QXT P5 i14	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 QXT Read Primer 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect QXT Read Primer 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect QXT Index 1 Read Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SureSelect QXT Index 2 Read Primer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Inhalation</b> : DMSO	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.
Herculase II 5X Rxn Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
100 mM dNTP Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Herculase II Fusion DNA Polymerase	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position

## Section 4. First aid measures


	and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect QXT Enzyme Mix ILM	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect QXT 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 adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect QXT P7 i1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P7 i2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P7 i3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P7 i4	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P7 i5	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P7 i6	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P7 i7	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P7 i8	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P5 i13	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT P5 i14	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
SureSelect QXT Read Primer 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

## Section 4. First aid measures

	SureSelect QXT Read Primer 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect QXT Index 1 Read Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SureSelect QXT Index 2 Read Primer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
<b>Skin contact</b>	<b>:</b> DMSO	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Herculase II 5X Rxn Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	100 mM dNTP 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	SureSelect QXT Enzyme Mix ILM	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	SureSelect QXT Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	SureSelect QXT P7 i1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P7 i2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P7 i3	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P7 i4	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P7 i5	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P7 i6	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P7 i7	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P7 i8	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	SureSelect QXT P5 i13	Flush contaminated skin with plenty of water.

## Section 4. First aid measures

### Ingestion

SureSelect QXT P5 i14	Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect QXT Read Primer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect QXT Read Primer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect QXT Index 1 Read Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect QXT Index 2 Read Primer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
:  DMSO	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.
Herculase II 5X Rxn 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.
100 mM dNTP Mix	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Herculase II Fusion DNA Polymerase	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
SureSelect QXT Enzyme Mix ILM	Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities

## Section 4. First aid measures

SureSelect QXT Buffer	<p>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. 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. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</p>
SureSelect QXT P7 i1	<p>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.</p>
SureSelect QXT P7 i2	<p>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.</p>
SureSelect QXT P7 i3	<p>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.</p>
SureSelect QXT P7 i4	<p>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.</p>
SureSelect QXT P7 i5	<p>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.</p>
SureSelect QXT P7 i6	<p>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.</p>

## Section 4. First aid measures

SureSelect QXT P7 i7	occur. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect QXT P7 i8	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 QXT P5 i13	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 QXT P5 i14	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 QXT Read Primer 1	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect QXT Read Primer 2	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect QXT Index 1 Read Primer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect QXT Index 2 Read Primer	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

### 4.2 Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: DMSO Herculase II 5X Rxn Buffer 100 mM dNTP Mix Herculase II Fusion DNA Polymerase SureSelect QXT Enzyme Mix ILM SureSelect QXT Buffer	Causes eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. Causes eye irritation. Causes eye irritation. Causes eye irritation.
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## Section 4. First aid measures

	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.
<b>Inhalation</b>	: DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.
<b>Skin contact</b>	: DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read	No known significant effects or critical hazards.

## Section 4. First aid measures

<b>Ingestion</b>	Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.
	DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.	
SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.	

### Over-exposure signs/symptoms

<b>Eye contact</b>	DMSO	Adverse symptoms may include the following: irritation watering redness
	Herculase II 5X Rxn Buffer	No specific data.
	100 mM dNTP Mix	No specific data.
	Herculase II Fusion DNA Polymerase	Adverse symptoms may include the following: irritation watering redness
	SureSelect QXT Enzyme Mix ILM	Adverse symptoms may include the following: irritation watering redness
	SureSelect QXT Buffer	Adverse symptoms may include the following: irritation watering redness
	SureSelect QXT P7 i1	No specific data.
	SureSelect QXT P7 i2	No specific data.
	SureSelect QXT P7 i3	No specific data.
	SureSelect QXT P7 i4	No specific data.
	SureSelect QXT P7 i5	No specific data.
	SureSelect QXT P7 i6	No specific data.
	SureSelect QXT P7 i7	No specific data.
	SureSelect QXT P7 i8	No specific data.
	SureSelect QXT P5 i13	No specific data.
	SureSelect QXT P5 i14	No specific data.
	SureSelect QXT Read Primer 1	No specific data.
	SureSelect QXT Read Primer 2	No specific data.
	SureSelect QXT Index 1 Read Primer	No specific data.

## Section 4. First aid measures

	SureSelect QXT Index 2 Read Primer	No specific data.
<b>Inhalation</b>	: DMSO	No specific data.
	Herculase II 5X Rxn Buffer	No specific data.
	100 mM dNTP Mix	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	SureSelect QXT Enzyme Mix ILM	No specific data.
	SureSelect QXT Buffer	No specific data.
	SureSelect QXT P7 i1	No specific data.
	SureSelect QXT P7 i2	No specific data.
	SureSelect QXT P7 i3	No specific data.
	SureSelect QXT P7 i4	No specific data.
	SureSelect QXT P7 i5	No specific data.
	SureSelect QXT P7 i6	No specific data.
	SureSelect QXT P7 i7	No specific data.
	SureSelect QXT P7 i8	No specific data.
	SureSelect QXT P5 i13	No specific data.
	SureSelect QXT P5 i14	No specific data.
	SureSelect QXT Read Primer 1	No specific data.
	SureSelect QXT Read Primer 2	No specific data.
	SureSelect QXT Index 1 Read Primer	No specific data.
	SureSelect QXT Index 2 Read Primer	No specific data.
<b>Skin contact</b>	: DMSO	No specific data.
	Herculase II 5X Rxn Buffer	No specific data.
	100 mM dNTP Mix	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	SureSelect QXT Enzyme Mix ILM	No specific data.
	SureSelect QXT Buffer	No specific data.
	SureSelect QXT P7 i1	No specific data.
	SureSelect QXT P7 i2	No specific data.
	SureSelect QXT P7 i3	No specific data.
	SureSelect QXT P7 i4	No specific data.
	SureSelect QXT P7 i5	No specific data.
	SureSelect QXT P7 i6	No specific data.
	SureSelect QXT P7 i7	No specific data.
	SureSelect QXT P7 i8	No specific data.
	SureSelect QXT P5 i13	No specific data.
	SureSelect QXT P5 i14	No specific data.
	SureSelect QXT Read Primer 1	No specific data.
	SureSelect QXT Read Primer 2	No specific data.
	SureSelect QXT Index 1 Read Primer	No specific data.
	SureSelect QXT Index 2 Read Primer	No specific data.
<b>Ingestion</b>	: DMSO	No specific data.
	Herculase II 5X Rxn Buffer	No specific data.
	100 mM dNTP Mix	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	SureSelect QXT Enzyme Mix ILM	No specific data.
	SureSelect QXT Buffer	No specific data.
	SureSelect QXT P7 i1	No specific data.
	SureSelect QXT P7 i2	No specific data.
	SureSelect QXT P7 i3	No specific data.
	SureSelect QXT P7 i4	No specific data.

## Section 4. First aid measures

SureSelect QXT P7 i5	No specific data.
SureSelect QXT P7 i6	No specific data.
SureSelect QXT P7 i7	No specific data.
SureSelect QXT P7 i8	No specific data.
SureSelect QXT P5 i13	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT Read Primer 1	No specific data.
SureSelect QXT Read Primer 2	No specific data.
SureSelect QXT Index 1 Read Primer	No specific data.
SureSelect QXT Index 2 Read Primer	No specific data.

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

<b>Notes to physician</b>	: DMSO	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Herculase II 5X Rxn 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.
	100 mM dNTP Mix	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Herculase II Fusion DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT Enzyme Mix ILM	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT Buffer	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i3	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i4	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i5	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i6	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i7	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i8	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P5 i13	Treat symptomatically. Contact poison treatment

## Section 4. First aid measures

specialist immediately if large quantities have been ingested or inhaled.

SureSelect QXT P5 i14  
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SureSelect QXT Read Primer 1  
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SureSelect QXT Read Primer 2  
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SureSelect QXT Index 1 Read Primer  
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SureSelect QXT Index 2 Read Primer  
Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Specific treatments

: DMSO No specific treatment.

Herculase II 5X Rxn Buffer No specific treatment.

100 mM dNTP Mix No specific treatment.

Herculase II Fusion DNA Polymerase No specific treatment.

SureSelect QXT Enzyme Mix ILM No specific treatment.

SureSelect QXT Buffer No specific treatment.

SureSelect QXT P7 i1 No specific treatment.

SureSelect QXT P7 i2 No specific treatment.

SureSelect QXT P7 i3 No specific treatment.

SureSelect QXT P7 i4 No specific treatment.

SureSelect QXT P7 i5 No specific treatment.

SureSelect QXT P7 i6 No specific treatment.

SureSelect QXT P7 i7 No specific treatment.

SureSelect QXT P7 i8 No specific treatment.

SureSelect QXT P5 i13 No specific treatment.

SureSelect QXT P5 i14 No specific treatment.

SureSelect QXT Read Primer 1 No specific treatment.

SureSelect QXT Read Primer 2 No specific treatment.

SureSelect QXT Index 1 Read Primer No specific treatment.

SureSelect QXT Index 2 Read Primer No specific treatment.

### Protection of first-aiders

: DMSO 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.

Herculase II 5X Rxn Buffer No action shall be taken involving any personal risk or without suitable training.

100 mM dNTP 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SureSelect QXT Enzyme Mix ILM No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SureSelect QXT 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

## Section 4. First aid measures

SureSelect QXT P7 i1	resuscitation.
SureSelect QXT P7 i2	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i3	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i4	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i5	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i6	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i7	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i8	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P5 i13	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P5 i14	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT Read Primer 1	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT Read Primer 2	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT Index 1 Read Primer	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT Index 2 Read Primer	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

: DMSO	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Herculase II 5X Rxn Buffer	Use an extinguishing agent suitable for the surrounding fire.
100 mM dNTP Mix	Use an extinguishing agent suitable for the surrounding fire.
Herculase II Fusion DNA Polymerase	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT Enzyme Mix ILM	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT Buffer	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT P7 i1	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT P7 i2	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT P7 i3	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT P7 i4	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT P7 i5	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT P7 i6	Use an extinguishing agent suitable for the surrounding fire.
SureSelect QXT P7 i7	Use an extinguishing agent suitable for the surrounding fire.

## Section 5. Fire-fighting measures

	SureSelect QXT P7 i8	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect QXT P5 i13	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect QXT P5 i14	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect QXT Read Primer 1	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect QXT Read Primer 2	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect QXT Index 1 Read Primer	Use an extinguishing agent suitable for the surrounding fire.
	SureSelect QXT Index 2 Read Primer	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: DMSO	Do not use water jet.
	Herculase II 5X Rxn Buffer	None known.
	100 mM dNTP Mix	None known.
	Herculase II Fusion DNA Polymerase	None known.
	SureSelect QXT Enzyme Mix ILM	None known.
	SureSelect QXT Buffer	None known.
	SureSelect QXT P7 i1	None known.
	SureSelect QXT P7 i2	None known.
	SureSelect QXT P7 i3	None known.
	SureSelect QXT P7 i4	None known.
	SureSelect QXT P7 i5	None known.
	SureSelect QXT P7 i6	None known.
	SureSelect QXT P7 i7	None known.
	SureSelect QXT P7 i8	None known.
	SureSelect QXT P5 i13	None known.
	SureSelect QXT P5 i14	None known.
	SureSelect QXT Read Primer 1	None known.
	SureSelect QXT Read Primer 2	None known.
	SureSelect QXT Index 1 Read Primer	None known.
	SureSelect QXT Index 2 Read Primer	None known.

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

<b>Specific hazards arising from the chemical</b>	: DMSO	Combustible liquid. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
	Herculase II 5X Rxn Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	100 mM dNTP 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.
	SureSelect QXT Enzyme Mix ILM	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect QXT Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SureSelect QXT P7 i1	In a fire or if heated, a pressure increase will occur and the container may burst.

## Section 5. Fire-fighting measures

SureSelect QXT P7 i2	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P7 i3	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P7 i4	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P7 i5	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P7 i6	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P7 i7	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P7 i8	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P5 i13	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT P5 i14	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT Read Primer 1	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT Read Primer 2	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT Index 1 Read Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
SureSelect QXT Index 2 Read Primer	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b> : DMSO	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
Herculase II 5X Rxn Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
100 mM dNTP Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
Herculase II Fusion DNA Polymerase	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect QXT Enzyme Mix ILM	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
SureSelect QXT Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide
SureSelect QXT P7 i1	No specific data.

## Section 5. Fire-fighting measures

SureSelect QXT P7 i2	No specific data.
SureSelect QXT P7 i3	No specific data.
SureSelect QXT P7 i4	No specific data.
SureSelect QXT P7 i5	No specific data.
SureSelect QXT P7 i6	No specific data.
SureSelect QXT P7 i7	No specific data.
SureSelect QXT P7 i8	No specific data.
SureSelect QXT P5 i13	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT Read Primer 1	No specific data.
SureSelect QXT Read Primer 2	No specific data.
SureSelect QXT Index 1 Read Primer	No specific data.
SureSelect QXT Index 2 Read Primer	No specific data.

### 5.3 Advice for firefighters

#### Special protective actions for fire-fighters

: DMSO	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.
Herculase II 5X Rxn 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.
100 mM dNTP Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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.
SureSelect QXT Enzyme Mix 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.
SureSelect QXT Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i1	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 QXT P7 i2	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 QXT P7 i3	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 QXT P7 i4	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

## Section 5. Fire-fighting measures

SureSelect QXT P7 i5	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 QXT P7 i6	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 QXT P7 i7	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 QXT P7 i8	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 QXT P5 i13	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 QXT P5 i14	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 QXT Read Primer 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT Read Primer 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT Index 1 Read Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT Index 2 Read Primer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b> : DMSO	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 5X Rxn Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
100 mM dNTP Mix	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.
SureSelect QXT Enzyme Mix ILM	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 5. Fire-fighting measures

SureSelect QXT Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i4	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i5	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i6	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i7	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P7 i8	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P5 i13	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT P5 i14	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT Read Primer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT Read Primer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT Index 1 Read Primer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SureSelect QXT Index 2 Read Primer	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

**For non-emergency personnel**

: DMSO

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

Herculase II 5X Rxn Buffer

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

100 mM dNTP Mix

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

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 not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SureSelect QXT Enzyme Mix 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SureSelect QXT Buffer

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

SureSelect QXT P7 i1

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

SureSelect QXT P7 i2

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and

## Section 6. Accidental release measures

SureSelect QXT P7 i3	unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT P7 i4	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT P7 i5	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT P7 i6	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT P7 i7	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT P7 i8	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT P5 i13	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT P5 i14	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT Read Primer 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT Read Primer 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and

## Section 6. Accidental release measures

SureSelect QXT Index 1 Read Primer	unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
SureSelect QXT Index 2 Read Primer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b> : DMSO	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Herculase II 5X Rxn Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
100 mM dNTP Mix	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Herculase II Fusion DNA Polymerase	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT Enzyme Mix ILM	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT Buffer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i3	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i4	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i5	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i6	If specialized clothing is required to deal with the

## Section 6. Accidental release measures

SureSelect QXT P7 i7	spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i8	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i13	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i14	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT Read Primer 1	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT Read Primer 2	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT Index 1 Read Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT Index 2 Read Primer	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

: DMSO	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Herculase II 5X Rxn Buffer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
100 mM dNTP Mix	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Herculase II Fusion DNA Polymerase	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT Enzyme Mix ILM	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers,

## Section 6. Accidental release measures

SureSelect QXT Buffer	waterways, soil or air). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i1	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i2	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i3	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i4	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i5	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i6	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i7	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i8	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P5 i13	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P5 i14	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT Read Primer 1	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers,

## Section 6. Accidental release measures

SureSelect QXT Read Primer 2	waterways, soil or air). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT Index 1 Read Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT Index 2 Read Primer	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

**Methods for cleaning up** : DMSO

Herculase II 5X Rxn Buffer	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 waste disposal contractor.
100 mM dNTP Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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.
SureSelect QXT Enzyme Mix ILM	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 QXT Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect QXT P7 i1	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.

## Section 6. Accidental release measures

	disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect QXT P7 i2	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 QXT P7 i3	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 QXT P7 i4	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 QXT P7 i5	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 QXT P7 i6	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 QXT P7 i7	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 QXT P7 i8	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 QXT P5 i13	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 QXT P5 i14	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 QXT Read Primer 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste

## Section 6. Accidental release measures

SureSelect QXT Read Primer 2	disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect QXT Index 1 Read Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
SureSelect QXT Index 2 Read Primer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

**Protective measures** : DMSO

Herculase II 5X Rxn Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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. Empty containers retain product residue and can be hazardous. Do not reuse container.
100 mM dNTP Mix	Put on appropriate personal protective equipment (see Section 8).
Herculase II Fusion DNA Polymerase	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
SureSelect QXT Enzyme Mix ILM	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

SureSelect QXT Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
SureSelect QXT P7 i1	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P7 i2	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P7 i3	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P7 i4	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P7 i5	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P7 i6	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P7 i7	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P7 i8	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P5 i13	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT P5 i14	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT Read Primer 1	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT Read Primer 2	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT Index 1 Read Primer	Put on appropriate personal protective equipment (see Section 8).
SureSelect QXT Index 2 Read Primer	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b> : DMSO	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 5X Rxn 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.
100 mM dNTP Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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

## Section 7. Handling and storage

SureSelect QXT Enzyme Mix ILM	<p>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.</p> <p>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.</p>
SureSelect QXT Buffer	<p>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.</p>
SureSelect QXT P7 i1	<p>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.</p>
SureSelect QXT P7 i2	<p>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.</p>
SureSelect QXT P7 i3	<p>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.</p>
SureSelect QXT P7 i4	<p>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.</p>
SureSelect QXT P7 i5	<p>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.</p>
SureSelect QXT P7 i6	<p>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.</p>

## Section 7. Handling and storage

SureSelect QXT P7 i7	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 QXT P7 i8	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 QXT P5 i13	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 QXT P5 i14	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 QXT Read Primer 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect QXT Read Primer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect QXT Index 1 Read Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SureSelect QXT Index 2 Read Primer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## Section 7. Handling and storage

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

: DMSO

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. Eliminate all ignition sources. Separate from oxidizing 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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Herculase II 5X Rxn Buffer

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

100 mM dNTP Mix

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

Herculase II Fusion DNA Polymerase

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

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

SureSelect QXT Buffer

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

## Section 7. Handling and storage

SureSelect QXT P7 i1

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

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

SureSelect QXT P7 i2

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

SureSelect QXT P7 i3

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

SureSelect QXT P7 i4

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

SureSelect QXT P7 i5

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

## Section 7. Handling and storage

SureSelect QXT P7 i6

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

SureSelect QXT P7 i7

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

SureSelect QXT P7 i8

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

SureSelect QXT P5 i13

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

SureSelect QXT P5 i14

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

SureSelect QXT Read Primer 1

Store in accordance with local regulations. Store in

## Section 7. Handling and storage

SureSelect QXT Read Primer 2

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

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

SureSelect QXT Index 1 Read Primer

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

SureSelect QXT Index 2 Read Primer

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

### 7.3 Specific end use(s)

#### Recommendations

: DMSO	Industrial applications, Professional applications.
Herculase II 5X Rxn Buffer	Industrial applications, Professional applications.
100 mM dNTP Mix	Industrial applications, Professional applications.
Herculase II Fusion DNA Polymerase	Industrial applications, Professional applications.
SureSelect QXT Enzyme Mix ILM	Industrial applications, Professional applications.
SureSelect QXT Buffer	Industrial applications, Professional applications.
SureSelect QXT P7 i1	Industrial applications, Professional applications.
SureSelect QXT P7 i2	Industrial applications, Professional applications.
SureSelect QXT P7 i3	Industrial applications, Professional applications.
SureSelect QXT P7 i4	Industrial applications, Professional applications.
SureSelect QXT P7 i5	Industrial applications, Professional applications.
SureSelect QXT P7 i6	Industrial applications, Professional applications.

## Section 7. Handling and storage

	SureSelect QXT P7 i7	Industrial applications, Professional applications.
	SureSelect QXT P7 i8	Industrial applications, Professional applications.
	SureSelect QXT P5 i13	Industrial applications, Professional applications.
	SureSelect QXT P5 i14	Industrial applications, Professional applications.
	SureSelect QXT Read Primer 1	Industrial applications, Professional applications.
	SureSelect QXT Read Primer 2	Industrial applications, Professional applications.
	SureSelect QXT Index 1 Read Primer	Industrial applications, Professional applications.
	SureSelect QXT Index 2 Read Primer	Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	<b>:</b> DMSO	Not available.
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	Not available.
	SureSelect QXT P7 i2	Not available.
	SureSelect QXT P7 i3	Not available.
	SureSelect QXT P7 i4	Not available.
	SureSelect QXT P7 i5	Not available.
	SureSelect QXT P7 i6	Not available.
	SureSelect QXT P7 i7	Not available.
	SureSelect QXT P7 i8	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	Not available.
	SureSelect QXT Index 1 Read Primer	Not available.
	SureSelect QXT Index 2 Read Primer	Not available.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
<b>DMSO</b> Dimethyl sulfoxide	<b>OARS WEEL (United States, 4/2022).</b> TWA: 250 ppm 8 hours.
<b>Herculase II 5X Rxn Buffer</b> Trometamol Hexadecan-1-ol, ethoxylated	None. None.
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	<b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>CAL OSHA PEL (United States, 5/2018).</b> TWA: 5 mg/m <sup>3</sup> 8 hours. Form: respirable



## Section 8. Exposure controls/personal protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties and safety characteristics

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

### Appearance

<b>Physical state</b>	: DMSO	Liquid. [Clear.]
	Herculase II 5X Rxn Buffer	Liquid.
	100 mM dNTP Mix	Liquid.
	Herculase II Fusion DNA Polymerase	Liquid.
	SureSelect QXT Enzyme Mix ILM	Liquid.
	SureSelect QXT Buffer	Liquid.
	SureSelect QXT P7 i1	Liquid.
	SureSelect QXT P7 i2	Liquid.
	SureSelect QXT P7 i3	Liquid.
	SureSelect QXT P7 i4	Liquid.
	SureSelect QXT P7 i5	Liquid.
	SureSelect QXT P7 i6	Liquid.
	SureSelect QXT P7 i7	Liquid.
	SureSelect QXT P7 i8	Liquid.
	SureSelect QXT P5 i13	Liquid.
	SureSelect QXT P5 i14	Liquid.
	SureSelect QXT Read Primer 1	Liquid.
	SureSelect QXT Read Primer 2	Liquid.
	SureSelect QXT Index 1 Read Primer	Liquid.
	SureSelect QXT Index 2 Read Primer	Liquid.
<b>Color</b>	: DMSO	Colorless.
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	Not available.
	SureSelect QXT P7 i2	Not available.
	SureSelect QXT P7 i3	Not available.
	SureSelect QXT P7 i4	Not available.
	SureSelect QXT P7 i5	Not available.

## Section 9. Physical and chemical properties and safety characteristics

	SureSelect QXT P7 i6	Not available.
	SureSelect QXT P7 i7	Not available.
	SureSelect QXT P7 i8	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	Not available.
	SureSelect QXT Index 1 Read Primer	Not available.
	SureSelect QXT Index 2 Read Primer	Not available.
<b>Odor</b>	: DMSO	Odorless. [Slight]
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	Not available.
	SureSelect QXT P7 i2	Not available.
	SureSelect QXT P7 i3	Not available.
	SureSelect QXT P7 i4	Not available.
	SureSelect QXT P7 i5	Not available.
	SureSelect QXT P7 i6	Not available.
	SureSelect QXT P7 i7	Not available.
	SureSelect QXT P7 i8	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	Not available.
	SureSelect QXT Index 1 Read Primer	Not available.
	SureSelect QXT Index 2 Read Primer	Not available.
<b>Odor threshold</b>	: DMSO	Not available.
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	Not available.
	SureSelect QXT P7 i2	Not available.
	SureSelect QXT P7 i3	Not available.
	SureSelect QXT P7 i4	Not available.
	SureSelect QXT P7 i5	Not available.
	SureSelect QXT P7 i6	Not available.
	SureSelect QXT P7 i7	Not available.
	SureSelect QXT P7 i8	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	Not available.
	SureSelect QXT Index 1 Read Primer	Not available.
	SureSelect QXT Index 2 Read Primer	Not available.

**pH** :

## Section 9. Physical and chemical properties and safety characteristics

DMSO	Not available.
Herculase II 5X Rxn Buffer	10
100 mM dNTP Mix	7.5
Herculase II Fusion DNA Polymerase	8.2
SureSelect QXT Enzyme Mix ILM	7 to 7.5
SureSelect QXT Buffer	7 to 7.5
SureSelect QXT P7 i1	7 to 7.5
SureSelect QXT P7 i2	7 to 7.5
SureSelect QXT P7 i3	7 to 7.5
SureSelect QXT P7 i4	7 to 7.5
SureSelect QXT P7 i5	7 to 7.5
SureSelect QXT P7 i6	7 to 7.5
SureSelect QXT P7 i7	7 to 7.5
SureSelect QXT P7 i8	7
SureSelect QXT P5 i13	7 to 7.5
SureSelect QXT P5 i14	7 to 7.5
SureSelect QXT Read Primer 1	7 to 7.5
SureSelect QXT Read Primer 2	7 to 7.5
SureSelect QXT Index 1 Read Primer	7 to 7.5
SureSelect QXT Index 2 Read Primer	7 to 7.5

<b>Melting point/freezing point</b>	DMSO	18.5°C (65.3°F)
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	0°C (32°F)
	SureSelect QXT P7 i2	0°C (32°F)
	SureSelect QXT P7 i3	0°C (32°F)
	SureSelect QXT P7 i4	0°C (32°F)
	SureSelect QXT P7 i5	0°C (32°F)
	SureSelect QXT P7 i6	0°C (32°F)
	SureSelect QXT P7 i7	0°C (32°F)
	SureSelect QXT P7 i8	0°C (32°F)
	SureSelect QXT P5 i13	0°C (32°F)
	SureSelect QXT P5 i14	0°C (32°F)
	SureSelect QXT Read Primer 1	0°C (32°F)
	SureSelect QXT Read Primer 2	0°C (32°F)
	SureSelect QXT Index 1 Read Primer	0°C (32°F)
	SureSelect QXT Index 2 Read Primer	0°C (32°F)

<b>Boiling point, initial boiling point, and boiling range</b>	DMSO	189°C (372.2°F)
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	100°C (212°F)
	SureSelect QXT P7 i2	100°C (212°F)
	SureSelect QXT P7 i3	100°C (212°F)
	SureSelect QXT P7 i4	100°C (212°F)
	SureSelect QXT P7 i5	100°C (212°F)
	SureSelect QXT P7 i6	100°C (212°F)

## Section 9. Physical and chemical properties and safety characteristics

SureSelect QXT P7 i7	100°C (212°F)
SureSelect QXT P7 i8	100°C (212°F)
SureSelect QXT P5 i13	100°C (212°F)
SureSelect QXT P5 i14	100°C (212°F)
SureSelect QXT Read Primer 1	100°C (212°F)
SureSelect QXT Read Primer 2	100°C (212°F)
SureSelect QXT Index 1 Read Primer	100°C (212°F)
SureSelect QXT Index 2 Read Primer	100°C (212°F)

### Flash point

: DMSO	Closed cup: 87°C (188.6°F) [ASTM D 93] Open cup: 87°C (188.6°F)
Herculase II 5X Rxn Buffer	Not available.
100 mM dNTP Mix	Not available.
Herculase II Fusion DNA Polymerase	Not available.
SureSelect QXT Enzyme Mix ILM	Not available.
SureSelect QXT Buffer	Not available.
SureSelect QXT P7 i1	Not available.
SureSelect QXT P7 i2	Not available.
SureSelect QXT P7 i3	Not available.
SureSelect QXT P7 i4	Not available.
SureSelect QXT P7 i5	Not available.
SureSelect QXT P7 i6	Not available.
SureSelect QXT P7 i7	Not available.
SureSelect QXT P7 i8	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT Read Primer 1	Not available.
SureSelect QXT Read Primer 2	Not available.
SureSelect QXT Index 1 Read Primer	Not available.
SureSelect QXT Index 2 Read Primer	Not available.

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
<b>Herculase II Fusion DNA Polymerase</b>						
Glycerol	-	-	-	177	350.6	-
<b>SureSelect QXT Enzyme Mix ILM</b>						
Glycerol	-	-	-	177	350.6	-
<b>SureSelect QXT Buffer</b>						
Glycerol	-	-	-	177	350.6	-

## Section 9. Physical and chemical properties and safety characteristics

<b>Evaporation rate</b>	: DMSO	0.026 (butyl acetate = 1)
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	Not available.
	SureSelect QXT P7 i2	Not available.
	SureSelect QXT P7 i3	Not available.
	SureSelect QXT P7 i4	Not available.
	SureSelect QXT P7 i5	Not available.
	SureSelect QXT P7 i6	Not available.
	SureSelect QXT P7 i7	Not available.
	SureSelect QXT P7 i8	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	Not available.
	SureSelect QXT Index 1 Read Primer	Not available.
	SureSelect QXT Index 2 Read Primer	Not available.
<b>Flammability</b>	: DMSO	Not applicable.
	Herculase II 5X Rxn Buffer	Not applicable.
	100 mM dNTP Mix	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	SureSelect QXT Enzyme Mix ILM	Not applicable.
	SureSelect QXT Buffer	Not applicable.
	SureSelect QXT P7 i1	Not applicable.
	SureSelect QXT P7 i2	Not applicable.
	SureSelect QXT P7 i3	Not applicable.
	SureSelect QXT P7 i4	Not applicable.
	SureSelect QXT P7 i5	Not applicable.
	SureSelect QXT P7 i6	Not applicable.
	SureSelect QXT P7 i7	Not applicable.
	SureSelect QXT P7 i8	Not applicable.
	SureSelect QXT P5 i13	Not applicable.
	SureSelect QXT P5 i14	Not applicable.
	SureSelect QXT Read Primer 1	Not applicable.
	SureSelect QXT Read Primer 2	Not applicable.
	SureSelect QXT Index 1 Read Primer	Not applicable.
	SureSelect QXT Index 2 Read Primer	Not applicable.
<b>Lower and upper explosion limit/flammability limit</b>	: DMSO	Lower: 2.6% Upper: 28.5%
	Herculase II 5X Rxn Buffer	Not available.
	100 mM dNTP Mix	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	SureSelect QXT P7 i1	Not available.
	SureSelect QXT P7 i2	Not available.
	SureSelect QXT P7 i3	Not available.
	SureSelect QXT P7 i4	Not available.
	SureSelect QXT P7 i5	Not available.

## Section 9. Physical and chemical properties and safety characteristics

SureSelect QXT P7 i6 Not available.  
 SureSelect QXT P7 i7 Not available.  
 SureSelect QXT P7 i8 Not available.  
 SureSelect QXT P5 i13 Not available.  
 SureSelect QXT P5 i14 Not available.  
 SureSelect QXT Read Primer 1 Not available.  
 SureSelect QXT Read Primer 2 Not available.  
 SureSelect QXT Index 1 Read Primer Not available.  
 SureSelect QXT Index 2 Read Primer Not available.

Vapor pressure

:  DMSO 0.056 kPa (0.42 mm Hg) [EU A.4]

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>Herculase II 5X Rxn Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
Trometamol	<0.00075006	<0.0001	-	-	-	-
<b>100 mM dNTP Mix</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>Herculase II Fusion DNA Polymerase</b>						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>SureSelect QXT Enzyme Mix ILM</b>						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>SureSelect QXT Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
Glycerol	0.000075	0.00001	-	0.0025	0.00033	-
<b>SureSelect QXT P7 i1</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect QXT P7</b>						

## Section 9. Physical and chemical properties and safety characteristics

<b>i2</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P7</b>							
<b>i3</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P7</b>							
<b>i4</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P7</b>							
<b>i5</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P7</b>							
<b>i6</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P7</b>							
<b>i7</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P7</b>							
<b>i8</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P5</b>							
<b>i13</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT P5</b>							
<b>i14</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT</b>							
<b>Read Primer 1</b>							
water	17.5	2.3	-	92.258	12.3	-	
<b>SureSelect QXT</b>							
<b>Read Primer 2</b>							

## Section 9. Physical and chemical properties and safety characteristics

water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect QXT Index 1 Read Primer</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>SureSelect QXT Index 2 Read Primer</b>						
water	17.5	2.3	-	92.258	12.3	-

**Relative vapor density** :

DMSO	2.7 [Air = 1]
Herculase II 5X Rxn Buffer	Not available.
100 mM dNTP Mix	Not available.
Herculase II Fusion DNA Polymerase	Not available.
SureSelect QXT Enzyme Mix ILM	Not available.
SureSelect QXT Buffer	Not available.
SureSelect QXT P7 i1	Not available.
SureSelect QXT P7 i2	Not available.
SureSelect QXT P7 i3	Not available.
SureSelect QXT P7 i4	Not available.
SureSelect QXT P7 i5	Not available.
SureSelect QXT P7 i6	Not available.
SureSelect QXT P7 i7	Not available.
SureSelect QXT P7 i8	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT Read Primer 1	Not available.
SureSelect QXT Read Primer 2	Not available.
SureSelect QXT Index 1 Read Primer	Not available.
SureSelect QXT Index 2 Read Primer	Not available.

**Relative density** :

DMSO	1.1
Herculase II 5X Rxn Buffer	Not available.
100 mM dNTP Mix	Not available.
Herculase II Fusion DNA Polymerase	Not available.
SureSelect QXT Enzyme Mix ILM	Not available.
SureSelect QXT Buffer	Not available.
SureSelect QXT P7 i1	Not available.
SureSelect QXT P7 i2	Not available.
SureSelect QXT P7 i3	Not available.
SureSelect QXT P7 i4	Not available.
SureSelect QXT P7 i5	Not available.
SureSelect QXT P7 i6	Not available.
SureSelect QXT P7 i7	Not available.
SureSelect QXT P7 i8	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT Read Primer 1	Not available.
SureSelect QXT Read Primer 2	Not available.
SureSelect QXT Index 1 Read Primer	Not available.

## Section 9. Physical and chemical properties and safety characteristics

SureSelect QXT Index 2 Read Primer Not available.

**Solubility(ies)**

Media	Result
DMSO	
water	Soluble
<b>Herculase II 5X Rxn Buffer</b>	
water	Soluble
<b>100 mM dNTP Mix</b>	
water	Soluble
<b>Herculase II Fusion DNA Polymerase</b>	
water	Soluble
<b>SureSelect QXT Enzyme Mix ILM</b>	
water	Soluble
<b>SureSelect QXT Buffer</b>	
water	Soluble
<b>SureSelect QXT P7 i1</b>	
water	Soluble
<b>SureSelect QXT P7 i2</b>	
water	Soluble
<b>SureSelect QXT P7 i3</b>	
water	Soluble
<b>SureSelect QXT P7 i4</b>	
water	Soluble
<b>SureSelect QXT P7 i5</b>	
water	Soluble
<b>SureSelect QXT P7 i6</b>	
water	Soluble
<b>SureSelect QXT P7 i7</b>	
water	Soluble
<b>SureSelect QXT P7 i8</b>	
water	Soluble
<b>SureSelect QXT P5 i13</b>	
water	Soluble
<b>SureSelect QXT P5 i14</b>	
water	Soluble
<b>SureSelect QXT Read Primer 1</b>	
water	Soluble
<b>SureSelect QXT Read Primer 2</b>	
water	Soluble
<b>SureSelect QXT Index 1 Read Primer</b>	
water	Soluble
<b>SureSelect QXT Index 2 Read Primer</b>	
water	Soluble

**Partition coefficient: n-octanol/water**

DMSO	-1.35
Herculase II 5X Rxn Buffer	Not applicable.
100 mM dNTP Mix	Not applicable.
Herculase II Fusion DNA Polymerase	Not applicable.
SureSelect QXT Enzyme Mix ILM	Not applicable.
SureSelect QXT Buffer	Not applicable.
SureSelect QXT P7 i1	Not applicable.
SureSelect QXT P7 i2	Not applicable.
SureSelect QXT P7 i3	Not applicable.
SureSelect QXT P7 i4	Not applicable.
SureSelect QXT P7 i5	Not applicable.
SureSelect QXT P7 i6	Not applicable.
SureSelect QXT P7 i7	Not applicable.
SureSelect QXT P7 i8	Not applicable.

## Section 9. Physical and chemical properties and safety characteristics

SureSelect QXT P5 i13 Not applicable.  
 SureSelect QXT P5 i14 Not applicable.  
 SureSelect QXT Read Primer 1 Not applicable.  
 SureSelect QXT Read Primer 2 Not applicable.  
 SureSelect QXT Index 1 Read Primer Not applicable.  
 SureSelect QXT Index 2 Read Primer Not applicable.

**Auto-ignition temperature** : **DMSO** 300 to 302°C (572 to 575.6°F)

Ingredient name	°C	°F	Method
<b>Herculase II Fusion DNA Polymerase</b>			
Glycerol	370	698	-
<b>SureSelect QXT Enzyme Mix ILM</b>			
Glycerol	370	698	-
<b>SureSelect QXT Buffer</b>			
Glycerol	370	698	-

**Decomposition temperature** : **DMSO** 140 to 189°C (284 to 372.2°F)

Herculase II 5X Rxn Buffer Not available.  
 100 mM dNTP Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 SureSelect QXT Enzyme Mix ILM Not available.  
 SureSelect QXT Buffer Not available.  
 SureSelect QXT P7 i1 Not available.  
 SureSelect QXT P7 i2 Not available.  
 SureSelect QXT P7 i3 Not available.  
 SureSelect QXT P7 i4 Not available.  
 SureSelect QXT P7 i5 Not available.  
 SureSelect QXT P7 i6 Not available.  
 SureSelect QXT P7 i7 Not available.  
 SureSelect QXT P7 i8 Not available.  
 SureSelect QXT P5 i13 Not available.  
 SureSelect QXT P5 i14 Not available.  
 SureSelect QXT Read Primer 1 Not available.  
 SureSelect QXT Read Primer 2 Not available.  
 SureSelect QXT Index 1 Read Primer Not available.  
 SureSelect QXT Index 2 Read Primer Not available.

**Viscosity** : **DMSO** Dynamic: 2.14 mPa·s (2.14 cP)

Herculase II 5X Rxn Buffer Not available.  
 100 mM dNTP Mix Not available.  
 Herculase II Fusion DNA Polymerase Not available.  
 SureSelect QXT Enzyme Mix ILM Not available.  
 SureSelect QXT Buffer Not available.  
 SureSelect QXT P7 i1 Not available.  
 SureSelect QXT P7 i2 Not available.  
 SureSelect QXT P7 i3 Not available.  
 SureSelect QXT P7 i4 Not available.

## Section 9. Physical and chemical properties and safety characteristics

SureSelect QXT P7 i5	Not available.
SureSelect QXT P7 i6	Not available.
SureSelect QXT P7 i7	Not available.
SureSelect QXT P7 i8	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT Read Primer 1	Not available.
SureSelect QXT Read Primer 2	Not available.
SureSelect QXT Index 1 Read Primer	Not available.
SureSelect QXT Index 2 Read Primer	Not available.

### Particle characteristics

#### Median particle size

: DMSO	Not applicable.
Herculase II 5X Rxn Buffer	Not applicable.
100 mM dNTP Mix	Not applicable.
Herculase II Fusion DNA Polymerase	Not applicable.
SureSelect QXT Enzyme Mix ILM	Not applicable.
SureSelect QXT Buffer	Not applicable.
SureSelect QXT P7 i1	Not applicable.
SureSelect QXT P7 i2	Not applicable.
SureSelect QXT P7 i3	Not applicable.
SureSelect QXT P7 i4	Not applicable.
SureSelect QXT P7 i5	Not applicable.
SureSelect QXT P7 i6	Not applicable.
SureSelect QXT P7 i7	Not applicable.
SureSelect QXT P7 i8	Not applicable.
SureSelect QXT P5 i13	Not applicable.
SureSelect QXT P5 i14	Not applicable.
SureSelect QXT Read Primer 1	Not applicable.
SureSelect QXT Read Primer 2	Not applicable.
SureSelect QXT Index 1 Read Primer	Not applicable.
SureSelect QXT Index 2 Read Primer	Not applicable.

## Section 10. Stability and reactivity

### 10.1 Reactivity

: DMSO	No specific test data related to reactivity available for this product or its ingredients.
Herculase II 5X Rxn Buffer	No specific test data related to reactivity available for this product or its ingredients.
100 mM dNTP Mix	No specific test data related to reactivity available for this product or its ingredients.
Herculase II Fusion DNA Polymerase	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT Enzyme Mix ILM	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT Buffer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P7 i1	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P7 i2	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P7 i3	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P7 i4	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P7 i5	No specific test data related to reactivity available for this product or its ingredients.

## Section 10. Stability and reactivity

SureSelect QXT P7 i6	for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P7 i7	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P7 i8	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P5 i13	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT P5 i14	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT Read Primer 1	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT Read Primer 2	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT Index 1 Read Primer	No specific test data related to reactivity available for this product or its ingredients.
SureSelect QXT Index 2 Read Primer	No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

: DMSO	The product is stable.
Herculase II 5X Rxn Buffer	The product is stable.
100 mM dNTP Mix	The product is stable.
Herculase II Fusion DNA Polymerase	The product is stable.
SureSelect QXT Enzyme Mix ILM	The product is stable.
SureSelect QXT Buffer	The product is stable.
SureSelect QXT P7 i1	The product is stable.
SureSelect QXT P7 i2	The product is stable.
SureSelect QXT P7 i3	The product is stable.
SureSelect QXT P7 i4	The product is stable.
SureSelect QXT P7 i5	The product is stable.
SureSelect QXT P7 i6	The product is stable.
SureSelect QXT P7 i7	The product is stable.
SureSelect QXT P7 i8	The product is stable.
SureSelect QXT P5 i13	The product is stable.
SureSelect QXT P5 i14	The product is stable.
SureSelect QXT Read Primer 1	The product is stable.
SureSelect QXT Read Primer 2	The product is stable.
SureSelect QXT Index 1 Read Primer	The product is stable.
SureSelect QXT Index 2 Read Primer	The product is stable.

### 10.3 Possibility of hazardous reactions

: DMSO	Under normal conditions of storage and use, hazardous reactions will not occur.
Herculase II 5X Rxn Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
100 mM dNTP 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.
SureSelect QXT Enzyme Mix ILM	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P7 i1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P7 i2	Under normal conditions of storage and use, hazardous reactions will not occur.

## Section 10. Stability and reactivity

SureSelect QXT P7 i3	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P7 i4	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P7 i5	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P7 i6	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P7 i7	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P7 i8	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P5 i13	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT P5 i14	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT Read Primer 1	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT Read Primer 2	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT Index 1 Read Primer	Under normal conditions of storage and use, hazardous reactions will not occur.
SureSelect QXT Index 2 Read Primer	Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

: DMSO

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Herculase II 5X Rxn Buffer	No specific data.
100 mM dNTP Mix	No specific data.
Herculase II Fusion DNA Polymerase	No specific data.
SureSelect QXT Enzyme Mix ILM	No specific data.
SureSelect QXT Buffer	No specific data.
SureSelect QXT P7 i1	No specific data.
SureSelect QXT P7 i2	No specific data.
SureSelect QXT P7 i3	No specific data.
SureSelect QXT P7 i4	No specific data.
SureSelect QXT P7 i5	No specific data.
SureSelect QXT P7 i6	No specific data.
SureSelect QXT P7 i7	No specific data.
SureSelect QXT P7 i8	No specific data.
SureSelect QXT P5 i13	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT Read Primer 1	No specific data.
SureSelect QXT Read Primer 2	No specific data.
SureSelect QXT Index 1 Read Primer	No specific data.
SureSelect QXT Index 2 Read Primer	No specific data.

## Section 10. Stability and reactivity

### 10.5 Incompatible materials : DMSO

	Reactive or incompatible with the following materials: oxidizing materials
Herculase II 5X Rxn Buffer	May react or be incompatible with oxidizing materials.
100 mM dNTP Mix	May react or be incompatible with oxidizing materials.
Herculase II Fusion DNA Polymerase	May react or be incompatible with oxidizing materials.
SureSelect QXT Enzyme Mix ILM	May react or be incompatible with oxidizing materials.
SureSelect QXT Buffer	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i1	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i2	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i3	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i4	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i5	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i6	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i7	May react or be incompatible with oxidizing materials.
SureSelect QXT P7 i8	May react or be incompatible with oxidizing materials.
SureSelect QXT P5 i13	May react or be incompatible with oxidizing materials.
SureSelect QXT P5 i14	May react or be incompatible with oxidizing materials.
SureSelect QXT Read Primer 1	May react or be incompatible with oxidizing materials.
SureSelect QXT Read Primer 2	May react or be incompatible with oxidizing materials.
SureSelect QXT Index 1 Read Primer	May react or be incompatible with oxidizing materials.
SureSelect QXT Index 2 Read Primer	May react or be incompatible with oxidizing materials.

### 10.6 Hazardous decomposition products : DMSO

	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Herculase II 5X Rxn Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
100 mM dNTP Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Herculase II Fusion DNA Polymerase	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT Enzyme Mix ILM	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 10. Stability and reactivity

SureSelect QXT P7 i1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P7 i2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P7 i3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P7 i4	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P7 i5	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P7 i6	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P7 i7	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P7 i8	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P5 i13	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT P5 i14	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT Read Primer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT Read Primer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT Index 1 Read Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SureSelect QXT Index 2 Read Primer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>DMSO</b> Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	- -
<b>Herculase II 5X Rxn Buffer</b> Trometamol Hexadecan-1-ol, ethoxylated	LD50 Dermal LD50 Oral	Rat Rat	>5000 mg/kg 2500 mg/kg	- -
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	LD50 Oral	Rat	12600 mg/kg	-

## Section 11. Toxicological information

<b>SureSelect QXT Enzyme Mix ILM</b>				
Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Potassium chloride	LD50 Oral	Rat	2600 mg/kg	-
<b>SureSelect QXT Buffer</b>				
Glycerol	LD50 Oral	Rat	12600 mg/kg	-

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>DMSO</b>					
Dimethyl sulfoxide	Eyes - Mild irritant	Rabbit	-	100 mg	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	100 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>Herculase II 5X Rxn Buffer</b>					
Trometamol	Skin - Moderate irritant	Rabbit	-	25 %	-
	Skin - Severe irritant	Rabbit	-	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>SureSelect QXT Enzyme Mix ILM</b>					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-
Potassium chloride	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
<b>SureSelect QXT Buffer</b>					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

### Sensitization

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

## Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
<b>Herculase II 5X Rxn Buffer</b> Trometamol	Category 3	-	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

: <b>DMSO</b>	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
Herculase II 5X Rxn Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
100 mM dNTP Mix	Not available.
Herculase II Fusion DNA Polymerase	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect QXT Enzyme Mix ILM	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect QXT Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
SureSelect QXT P7 i1	Not available.
SureSelect QXT P7 i2	Not available.
SureSelect QXT P7 i3	Not available.
SureSelect QXT P7 i4	Not available.
SureSelect QXT P7 i5	Not available.
SureSelect QXT P7 i6	Not available.
SureSelect QXT P7 i7	Not available.
SureSelect QXT P7 i8	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT Read Primer 1	Not available.
SureSelect QXT Read Primer 2	Not available.
SureSelect QXT Index 1 Read Primer	Not available.
SureSelect QXT Index 2 Read Primer	Not available.

### Potential acute health effects

#### Eye contact

: <b>DMSO</b>	Causes eye irritation.
Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
100 mM dNTP Mix	No known significant effects or critical hazards.
Herculase II Fusion DNA Polymerase	Causes eye irritation.
SureSelect QXT Enzyme Mix ILM	Causes eye irritation.
SureSelect QXT Buffer	Causes eye irritation.
SureSelect QXT P7 i1	No known significant effects or critical hazards.
SureSelect QXT P7 i2	No known significant effects or critical hazards.
SureSelect QXT P7 i3	No known significant effects or critical hazards.
SureSelect QXT P7 i4	No known significant effects or critical hazards.
SureSelect QXT P7 i5	No known significant effects or critical hazards.
SureSelect QXT P7 i6	No known significant effects or critical hazards.
SureSelect QXT P7 i7	No known significant effects or critical hazards.
SureSelect QXT P7 i8	No known significant effects or critical hazards.
SureSelect QXT P5 i13	No known significant effects or critical hazards.
SureSelect QXT P5 i14	No known significant effects or critical hazards.
SureSelect QXT Read Primer 1	No known significant effects or critical hazards.

## Section 11. Toxicological information

	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.
<b>Inhalation</b>	: DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.
<b>Skin contact</b>	: DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.
<b>Ingestion</b>	: DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.

## Section 11. Toxicological information

SureSelect QXT P7 i3	No known significant effects or critical hazards.
SureSelect QXT P7 i4	No known significant effects or critical hazards.
SureSelect QXT P7 i5	No known significant effects or critical hazards.
SureSelect QXT P7 i6	No known significant effects or critical hazards.
SureSelect QXT P7 i7	No known significant effects or critical hazards.
SureSelect QXT P7 i8	No known significant effects or critical hazards.
SureSelect QXT P5 i13	No known significant effects or critical hazards.
SureSelect QXT P5 i14	No known significant effects or critical hazards.
SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

#### Eye contact

: DMSO	Adverse symptoms may include the following: irritation watering redness
Herculase II 5X Rxn Buffer	No specific data.
100 mM dNTP Mix	No specific data.
Herculase II Fusion DNA Polymerase	Adverse symptoms may include the following:  irritation watering redness
SureSelect QXT Enzyme Mix ILM	Adverse symptoms may include the following: irritation watering redness
SureSelect QXT Buffer	Adverse symptoms may include the following: irritation watering redness
SureSelect QXT P7 i1	No specific data.
SureSelect QXT P7 i2	No specific data.
SureSelect QXT P7 i3	No specific data.
SureSelect QXT P7 i4	No specific data.
SureSelect QXT P7 i5	No specific data.
SureSelect QXT P7 i6	No specific data.
SureSelect QXT P7 i7	No specific data.
SureSelect QXT P7 i8	No specific data.
SureSelect QXT P5 i13	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT Read Primer 1	No specific data.
SureSelect QXT Read Primer 2	No specific data.
SureSelect QXT Index 1 Read Primer	No specific data.
SureSelect QXT Index 2 Read Primer	No specific data.
: DMSO	No specific data.
Herculase II 5X Rxn Buffer	No specific data.
100 mM dNTP Mix	No specific data.
Herculase II Fusion DNA Polymerase	No specific data.
SureSelect QXT Enzyme Mix ILM	No specific data.
SureSelect QXT Buffer	No specific data.
SureSelect QXT P7 i1	No specific data.
SureSelect QXT P7 i2	No specific data.

#### Inhalation

## Section 11. Toxicological information

	SureSelect QXT P7 i3	No specific data.
	SureSelect QXT P7 i4	No specific data.
	SureSelect QXT P7 i5	No specific data.
	SureSelect QXT P7 i6	No specific data.
	SureSelect QXT P7 i7	No specific data.
	SureSelect QXT P7 i8	No specific data.
	SureSelect QXT P5 i13	No specific data.
	SureSelect QXT P5 i14	No specific data.
	SureSelect QXT Read Primer 1	No specific data.
	SureSelect QXT Read Primer 2	No specific data.
	SureSelect QXT Index 1 Read Primer	No specific data.
	SureSelect QXT Index 2 Read Primer	No specific data.
<b>Skin contact</b>	: DMSO	No specific data.
	Herculase II 5X Rxn Buffer	No specific data.
	100 mM dNTP Mix	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	SureSelect QXT Enzyme Mix ILM	No specific data.
	SureSelect QXT Buffer	No specific data.
	SureSelect QXT P7 i1	No specific data.
	SureSelect QXT P7 i2	No specific data.
	SureSelect QXT P7 i3	No specific data.
	SureSelect QXT P7 i4	No specific data.
	SureSelect QXT P7 i5	No specific data.
	SureSelect QXT P7 i6	No specific data.
	SureSelect QXT P7 i7	No specific data.
	SureSelect QXT P7 i8	No specific data.
	SureSelect QXT P5 i13	No specific data.
	SureSelect QXT P5 i14	No specific data.
	SureSelect QXT Read Primer 1	No specific data.
	SureSelect QXT Read Primer 2	No specific data.
	SureSelect QXT Index 1 Read Primer	No specific data.
	SureSelect QXT Index 2 Read Primer	No specific data.
<b>Ingestion</b>	: DMSO	No specific data.
	Herculase II 5X Rxn Buffer	No specific data.
	100 mM dNTP Mix	No specific data.
	Herculase II Fusion DNA Polymerase	No specific data.
	SureSelect QXT Enzyme Mix ILM	No specific data.
	SureSelect QXT Buffer	No specific data.
	SureSelect QXT P7 i1	No specific data.
	SureSelect QXT P7 i2	No specific data.
	SureSelect QXT P7 i3	No specific data.
	SureSelect QXT P7 i4	No specific data.
	SureSelect QXT P7 i5	No specific data.
	SureSelect QXT P7 i6	No specific data.
	SureSelect QXT P7 i7	No specific data.
	SureSelect QXT P7 i8	No specific data.
	SureSelect QXT P5 i13	No specific data.
	SureSelect QXT P5 i14	No specific data.
	SureSelect QXT Read Primer 1	No specific data.
	SureSelect QXT Read Primer 2	No specific data.
	SureSelect QXT Index 1 Read Primer	No specific data.
	SureSelect QXT Index 2 Read Primer	No specific data.

## Section 11. Toxicological information

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

<b>General</b>	: DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: DMSO	No known significant effects or critical hazards.
	Herculase II 5X Rxn Buffer	No known significant effects or critical hazards.
	100 mM dNTP Mix	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	SureSelect QXT P7 i1	No known significant effects or critical hazards.
	SureSelect QXT P7 i2	No known significant effects or critical hazards.
	SureSelect QXT P7 i3	No known significant effects or critical hazards.
	SureSelect QXT P7 i4	No known significant effects or critical hazards.
	SureSelect QXT P7 i5	No known significant effects or critical hazards.
	SureSelect QXT P7 i6	No known significant effects or critical hazards.
	SureSelect QXT P7 i7	No known significant effects or critical hazards.
	SureSelect QXT P7 i8	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 2	No known significant effects or critical hazards.
	SureSelect QXT Index 1 Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Mutagenicity</b>	: DMSO Herculase II 5X Rxn Buffer 100 mM dNTP Mix Herculase II Fusion DNA Polymerase SureSelect QXT Enzyme Mix ILM SureSelect QXT Buffer SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i5 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT Index 1 Read Primer SureSelect QXT Index 2 Read Primer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. 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.
<b>Reproductive toxicity</b>	: DMSO Herculase II 5X Rxn Buffer 100 mM dNTP Mix Herculase II Fusion DNA Polymerase SureSelect QXT Enzyme Mix ILM SureSelect QXT Buffer SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i5 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT Index 1 Read Primer SureSelect QXT Index 2 Read Primer	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 (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)

## Section 11. Toxicological information

<b>DMSO</b> Dimethyl sulfoxide	14500	40000	N/A	N/A	N/A
<b>Herculase II 5X Rxn Buffer</b> Herculase II 5X Rxn Buffer Hexadecan-1-ol, ethoxylated	107739.0 2500	N/A N/A	N/A N/A	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>SureSelect QXT Enzyme Mix ILM</b> SureSelect QXT Enzyme Mix ILM Glycerol Potassium chloride	131313.1 12600 2600	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
<b>SureSelect QXT Buffer</b> Glycerol	12600	N/A	N/A	N/A	N/A

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
<b>DMSO</b> Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water Acute LC50 34000000 µg/l Fresh water Chronic NOEC 100 ul/L Marine water Chronic NOEC 100 ul/L Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate Fish - <i>Pimephales promelas</i> Algae - <i>Ulva lactuca</i> Daphnia - <i>Daphnia magna</i> - Juvenile (Fledgling, Hatchling, Weanling)	48 hours 96 hours 72 hours 21 days
<b>Herculase II 5X Rxn Buffer</b> Trometamol Hexadecan-1-ol, ethoxylated	Acute EC50 >980 mg/l Fresh water Acute NOEC 520 mg/l Fresh water Acute LC50 330000 to 1000000 µg/l Marine water	Daphnia Daphnia Crustaceans - <i>Crangon crangon</i> - Adult	48 hours 48 hours 48 hours
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours
<b>SureSelect QXT Enzyme Mix ILM</b> Glycerol Potassium chloride	Acute LC50 54000 mg/l Fresh water Acute EC50 9.24 g/L Fresh water Acute EC50 1337000 µg/l Fresh water Acute LC50 9.68 mg/l Fresh water Acute LC50 93000 µg/l Fresh water Acute LC50 509.65 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i> Algae - <i>Desmodesmus subspicatus</i> Algae - <i>Navicula seminulum</i> Crustaceans - <i>Pseudosida ramosa</i> - Neonate Daphnia - <i>Daphnia magna</i> Fish - <i>Danio rerio</i>	96 hours 72 hours 96 hours 48 hours 48 hours 96 hours
<b>SureSelect QXT Buffer</b> Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - <i>Oncorhynchus mykiss</i>	96 hours

## Section 12. Ecological information

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>DMSO</b> Dimethyl sulfoxide	OECD 301D Ready Biodegradability - Closed Bottle Test	31 % - Not readily - 28 days	-	-
<b>Herculase II 5X Rxn Buffer</b> Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days	30 mg/l	-
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>SureSelect QXT Enzyme Mix ILM</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
<b>SureSelect QXT Buffer</b> Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>DMSO</b> Dimethyl sulfoxide	-	-	Not readily
<b>Herculase II 5X Rxn Buffer</b> Trometamol	-	-	Readily
Hexadecan-1-ol, ethoxylated	-	-	Readily
<b>SureSelect QXT Enzyme Mix ILM</b> Potassium chloride	-	-	Readily

### 12.3 Bioaccumulative potential

## Section 12. Ecological information

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>DMSO</b> Dimethyl sulfoxide	-1.35	3.16	Low
<b>Herculase II 5X Rxn Buffer</b> Trometamol	-2.31	-	Low
Hexadecan-1-ol, ethoxylated	>6.06	-	High
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	-1.76	-	Low
<b>SureSelect QXT Enzyme Mix ILM</b> Glycerol	-1.76	-	Low
Potassium chloride	-0.46	-	Low
<b>SureSelect QXT Buffer</b> Glycerol	-1.76	-	Low

### 12.4 Mobility in soil

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

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

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

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

**Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.**

**The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.**

**Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

## Section 14. Transport information

**DOT / TDG / Mexico / IMDG / IATA** : Not regulated.

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

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

## Section 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**Clean Water Act (CWA) 311:** Edetic acid

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

#### **Classification**

<b>Classification</b>	: DMSO	FLAMMABLE LIQUIDS - Category 4
		EYE IRRITATION - Category 2B
		Not applicable.
		Not applicable.
	Herculase II 5X Rxn Buffer	EYE IRRITATION - Category 2B
	100 mM dNTP Mix	EYE IRRITATION - Category 2B
	Herculase II Fusion DNA Polymerase	EYE IRRITATION - Category 2B
	SureSelect QXT Enzyme Mix ILM	Not applicable.
	SureSelect QXT Buffer	Not applicable.
	SureSelect QXT P7 i1	Not applicable.
	SureSelect QXT P7 i2	Not applicable.
	SureSelect QXT P7 i3	Not applicable.
	SureSelect QXT P7 i4	Not applicable.
	SureSelect QXT P7 i5	Not applicable.
	SureSelect QXT P7 i6	Not applicable.
	SureSelect QXT P7 i7	Not applicable.
	SureSelect QXT P7 i8	Not applicable.
	SureSelect QXT P5 i13	Not applicable.
	SureSelect QXT P5 i14	Not applicable.
	SureSelect QXT Read Primer 1	Not applicable.
	SureSelect QXT Read Primer 2	Not applicable.
	SureSelect QXT Index 1 Read Primer	Not applicable.
	SureSelect QXT Index 2 Read Primer	Not applicable.

#### Composition/information on ingredients

## Section 15. Regulatory information

Name	%	Classification
<b>DMSO</b> Dimethyl sulfoxide	100	FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2B
<b>Herculase II 5X Rxn Buffer</b> Trometamol	≤3	COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
<b>Herculase II Fusion DNA Polymerase</b> Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2B
<b>SureSelect QXT Enzyme Mix ILM</b> Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2B
Potassium chloride	≤3	EYE IRRITATION - Category 2B
<b>SureSelect QXT Buffer</b> Glycerol	≥50 - ≤75	EYE IRRITATION - Category 2B

### SARA 313

	Product name	CAS number	%
<b>Form R - Reporting requirements</b>	<b>Herculase II 5X Rxn Buffer</b> Ammonium sulphate	7783-20-2	≤3
<b>Supplier notification</b>	<b>Herculase II 5X Rxn Buffer</b> Ammonium sulphate	7783-20-2	≤3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: GLYCERINE MIST
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: GLYCERIN; DIMETHYL SULFOXIDE; METHANE, SULFINYLBI-
- Pennsylvania** : The following components are listed: 1,2,3-PROPANETRIOL
- California Prop. 65**

This product does not require a Safe Harbor warning under California Prop. 65.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

## Section 15. Regulatory information

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</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>	: <input checked="" type="checkbox"/> Not determined.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</b>	: Not determined.

## Section 16. Other information

### Procedure used to derive the classification

Classification	Justification
<b>DMSO</b> FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2B	On basis of test data On basis of test data
<b>Herculase II Fusion DNA Polymerase</b> EYE IRRITATION - Category 2B	Calculation method
<b>SureSelect QXT Enzyme Mix ILM</b> EYE IRRITATION - Category 2B	Calculation method
<b>SureSelect QXT Buffer</b> EYE IRRITATION - Category 2B	Calculation method

### History

<b>Date of issue/Date of revision</b>	: 01/31/2024
<b>Date of previous issue</b>	: 02/17/2021
<b>Version</b>	: 6

### Key to abbreviations

: ATE = Acute Toxicity Estimate
: BCF = Bioconcentration Factor
: GHS = Globally Harmonized System of Classification and Labelling of Chemicals
: IATA = International Air Transport Association
: IBC = Intermediate Bulk Container
: IMDG = International Maritime Dangerous Goods
: LogPow = logarithm of the octanol/water partition coefficient
: MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
: N/A = Not available
: UN = United Nations

Indicates information that has changed from previously issued version.

### Notice to reader

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