# SAFETY DATA SHEET



SureSelect QXT Library Prep Kit -ILM-Box 2-96 Reactions, Part Number 5500-0121

### Section 1. Identification

Product identifier
Part no. (chemical kit)
Part no.

: SureSelect QXT Library Prep Kit -ILM-Box 2-96 Reactions, Part Number 5500-0121

: 5500-0121

: DMSO 600260-53 SureSelect QXT Enzyme Mix ILM 5190-7052 SureSelect QXT Buffer 5190-7053

Herculase II Fusion DNA Polymerase 600677-51 / 5190-7751

SureSelect QXT Index Read Primer 5190-7057 SureSelect QXT Read Primer 1 5190-7055 SureSelect QXT Read Primer 2 5190-7056 SureSelect QXT P7 i1 5190-7061 SureSelect QXT P7 i2 5190-7062 SureSelect QXT P7 i3 5190-7063 SureSelect QXT P7 i4 5190-7064 SureSelect QXT P7 i5 5190-7065 SureSelect QXT P7 i6 5190-7066 SureSelect QXT P7 i7 5190-7067 SureSelect QXT P7 i8 5190-7068 SureSelect QXT P7 i9 5190-7069 SureSelect QXT P7 i10 5190-7070 SureSelect QXT P7 i11 5190-7071 SureSelect QXT P7 i12 5190-7072 SureSelect QXT P5 i13 5190-7073 SureSelect QXT P5 i14 5190-7074 SureSelect QXT P5 i15 5190-7075 SureSelect QXT P5 i16 5190-7076 SureSelect QXT P5 i17 5190-7077 SureSelect QXT P5 i18 5190-7078 SureSelect QXT P5 i19 5190-7079 SureSelect QXT P5 i20 5190-7080

100 mM dNTP Mix (25 mM each dNTP) 200418-51 / 5190-7750

5X Herculase II Reaction Buffer 600675-52

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

Material uses : Analytical reagent.

ØMSO 1 ml

SureSelect QXT Enzyme Mix ILM 0.3 ml (96 reactions)
SureSelect QXT Buffer 2.6 ml (96 reactions)

Herculase II Fusion DNA Polymerase 0.2 - 0.31 ml (200 reactions)

SureSelect QXT Index Read Primer 1.6 ml (96 reactions) SureSelect QXT Read Primer 1 0.93 ml (96 reactions) 1.6 ml (96 reactions) SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 0.04 ml (96 reactions) SureSelect QXT P7 i2 0.04 ml (96 reactions) SureSelect QXT P7 i3 0.04 ml (96 reactions) SureSelect QXT P7 i4 0.04 ml (96 reactions) 0.04 ml (96 reactions) SureSelect QXT P7 i5 0.04 ml (96 reactions) SureSelect QXT P7 i6 0.04 ml (96 reactions) SureSelect QXT P7 i7 SureSelect QXT P7 i8 0.04 ml (96 reactions) SureSelect QXT P7 i9 0.04 ml (96 reactions) SureSelect QXT P7 i10 0.04 ml (96 reactions) SureSelect QXT P7 i11 0.04 ml (96 reactions) 0.04 ml (96 reactions) SureSelect QXT P7 i12 0.06 ml (96 reactions) SureSelect QXT P5 i13 0.06 ml (96 reactions) SureSelect QXT P5 i14

0.06 ml (96 reactions)

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 1/83

SureSelect QXT P5 i15

#### Section 1. Identification

SureSelect QXT P5 i16 0.06 ml (96 reactions) SureSelect QXT P5 i17 0.06 ml (96 reactions) SureSelect QXT P5 i18 0.06 ml (96 reactions) SureSelect QXT P5 i19 0.06 ml (96 reactions) SureSelect QXT P5 i20 0.06 ml (96 reactions)

100 mM dNTP Mix (25 mM each dNTP) 0.1 ml 5X Herculase II Reaction Buffer 1.5 ml

Supplier/Manufacturer

: Agilent Technologies Australia Pty Ltd

679 Springvale Road

Mularave

Victoria 3170. Australia

1800 802 402

**Emergency telephone** number (with hours of operation)

: CHEMTREC®: +(61)-290372994

## Section 2. Hazard(s) identification

#### Classification of the substance or mixture

**DMSO** 

H227 FLAMMABLE LIQUIDS - Category 4

5X Herculase II Reaction **Buffer** 

H401 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 2

> SureSelect QXT Enzyme Percentage of the mixture consisting of ingredient(s)

Mix ILM of unknown dermal toxicity: 1 - 10%

Percentage of the mixture consisting of ingredient(s)

of unknown inhalation toxicity: 30 - 60%

SureSelect QXT Buffer Percentage of the mixture consisting of ingredient(s)

of unknown inhalation toxicity: 30 - 60%

Herculase II Fusion DNA Percentage of the mixture consisting of ingredient(s)

Polymerase of unknown dermal toxicity: 1 - 10%

Percentage of the mixture consisting of ingredient(s)

of unknown inhalation toxicity: 30 - 60%

Percentage of the mixture consisting of ingredient(s)

of unknown oral toxicity: 1 - 10%

100 mM dNTP Mix (25 mM

each dNTP)

Percentage of the mixture consisting of ingredient(s)

of unknown dermal toxicity: 1 - 10%

Percentage of the mixture consisting of ingredient(s)

of unknown inhalation toxicity: 1 - 10%

Percentage of the mixture consisting of ingredient(s)

of unknown oral toxicity: 1 - 10%

5X Herculase II Reaction Percentage of the mixture consisting of ingredient(s) Buffer

of unknown dermal toxicity: 1 - 10%

Percentage of the mixture consisting of ingredient(s)

of unknown inhalation toxicity: 1 - 10%

Herculase II Fusion DNA

Polymerase

100 mM dNTP Mix (25 mM

each dNTP)

Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2% Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5.3%

#### **GHS label elements**

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version:3 2/83

Signal	word	

**MSO** WARNING SureSelect QXT Enzyme No signal word. Mix ILM SureSelect QXT Buffer No signal word. Herculase II Fusion DNA No signal word. Polymerase SureSelect QXT Index Read No signal word. Primer SureSelect QXT Read No signal word. Primer 1 SureSelect QXT Read No signal word. Primer 2 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 P7 i9 No signal word. SureSelect QXT P7 i10 No signal word. SureSelect QXT P7 i11 No signal word. SureSelect QXT P7 i12 No signal word. SureSelect QXT P5 i13 No signal word. SureSelect QXT P5 i14 No signal word. SureSelect QXT P5 i15 No signal word. SureSelect QXT P5 i16 No signal word. SureSelect QXT P5 i17 No signal word. SureSelect QXT P5 i18 No signal word. SureSelect QXT P5 i19 No signal word. SureSelect QXT P5 i20 No signal word. 100 mM dNTP Mix (25 mM No signal word. each dNTP) 5X Herculase II Reaction No signal word. Buffer

#### **Hazard statements**

™SO	H227 - Combustible liquid.
SureSelect QXT Enzyme	No known significant effects or critical hazards.

SureSelect QX1 Enzyme

Mix ILM SureSelect QXT Buffer

Herculase II Fusion DNA Polymerase

SureSelect QXT Index Read

Primer

SureSelect QXT Read

Primer 1 SureSelect QXT Read

Primer 2

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 P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11

SureSelect QXT P7 i12

SureSelect QXT P5 i13

SureSelect QXT P5 i14

SureSelect QXT P5 i15

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.

Date of issue/Date of revision : 22/05/2018 : 29/08/2016 3/83 Date of previous issue Version: 3

No known significant effects or critical hazards. SureSelect QXT P5 i16 No known significant effects or critical hazards. SureSelect QXT P5 i17 SureSelect QXT P5 i18 No known significant effects or critical hazards. SureSelect QXT P5 i19 No known significant effects or critical hazards. SureSelect QXT P5 i20 No known significant effects or critical hazards. 100 mM dNTP Mix (25 mM No known significant effects or critical hazards. each dNTP)

5X Herculase II Reaction H401 - Toxic to aquatic life. Buffer

#### **Precautionary statements**

Response

: MSO **Prevention** 

P280 - Wear protective gloves. Wear eye or face

protection.

P210 - Keep away from flames and hot surfaces. -

No smoking. Not applicable.

SureSelect QXT Enzyme

Mix ILM

SureSelect QXT Buffer Not applicable. Herculase II Fusion DNA Not applicable.

Polymerase

SureSelect QXT Index Read

Not applicable.

Primer

SureSelect QXT Read

Not applicable.

Primer 1

SureSelect QXT Read

Not applicable.

Primer 2 SureSelect QXT P7 i1 Not applicable. Not applicable. SureSelect QXT P7 i2 SureSelect QXT P7 i3 Not applicable. SureSelect QXT P7 i4 Not applicable. Not applicable. SureSelect QXT P7 i5 Not applicable. SureSelect QXT P7 i6 Not applicable. SureSelect QXT P7 i7 Not applicable. SureSelect QXT P7 i8 SureSelect QXT P7 i9 Not applicable. SureSelect QXT P7 i10 Not applicable. SureSelect QXT P7 i11 Not applicable. SureSelect QXT P7 i12 Not applicable. SureSelect QXT P5 i13 Not applicable. SureSelect QXT P5 i14 Not applicable. Not applicable. SureSelect QXT P5 i15 SureSelect QXT P5 i16

SureSelect QXT P5 i19 SureSelect QXT P5 i20 100 mM dNTP Mix (25 mM

SureSelect QXT P5 i17

SureSelect QXT P5 i18

Not applicable. Not applicable.

Not applicable.

Not applicable. Not applicable. Not applicable.

each dNTP)

5X Herculase II Reaction

P273 - Avoid release to the environment.

Buffer

: MSO

Not applicable. Not applicable.

SureSelect QXT Enzyme

Mix ILM

SureSelect QXT Buffer Herculase II Fusion DNA Not applicable. Not applicable.

Polymerase

SureSelect QXT Index Read Not applicable.

Primer

SureSelect QXT Read

Not applicable.

Primer 1

SureSelect QXT Read

Not applicable.

Primer 2

SureSelect QXT P7 i1 Not applicable. SureSelect QXT P7 i2 Not applicable.

: 22/05/2018 : 29/08/2016 4/83 Date of issue/Date of revision Date of previous issue Version:3

**Storage** 

)	identification	
	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 P7 i9	Not applicable.
	SureSelect QXT P7 i10	Not applicable.
	SureSelect QXT P7 i11	Not applicable.
	SureSelect QXT P7 i12	Not applicable.
	SureSelect QXT P5 i13	Not applicable.
	SureSelect QXT P5 i14	Not applicable.
	SureSelect QXT P5 i15	Not applicable.
	SureSelect QXT P5 i16	Not applicable.
	SureSelect QXT P5 i17	Not applicable.
	SureSelect QXT P5 i18	Not applicable.
	SureSelect QXT P5 i19	Not applicable.
	SureSelect QXT P5 i20	Not applicable.
	100 mM dNTP Mix (25 mM	Not applicable.
	each dNTP)	
	5X Herculase II Reaction	Not applicable.
	Buffer	
	™SO	P403 - Store in a well-ventilated place.
		P235 - Keep cool.
	SureSelect QXT Enzyme	Not applicable.
	Mix ILM	
	SureSelect QXT Buffer	Not applicable.
	Herculase II Fusion DNA	Not applicable.
	Polymerase	
	SureSelect QXT Index Read	Not applicable.
	Primer	
	SureSelect QXT Read	Not applicable.
	Primer 1	N. (
	SureSelect QXT Read	Not applicable.
	Primer 2	Niet englischie
	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. Not applicable.
	SureSelect QXT P7 i6 SureSelect QXT P7 i7	Not applicable.
	SureSelect QXT P7 i8	Not applicable.
	SureSelect QXT P7 i9	Not applicable.
	SureSelect QXT P7 i10	Not applicable.
	SureSelect QXT P7 i11	Not applicable.
	SureSelect QXT P7 i12	Not applicable.
	SureSelect QXT P5 i13	Not applicable.
	SureSelect QXT P5 i14	Not applicable.
	SureSelect QXT P5 i15	Not applicable.
	SureSelect QXT P5 i16	Not applicable.
	SureSelect QXT P5 i17	Not applicable.
	SureSelect QXT P5 i18	Not applicable.
	SureSelect QXT P5 i19	Not applicable.
	SureSelect QXT P5 i20	Not applicable.
	100 mM dNTD Miy (25 mM	Not applicable

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 5/83

Not applicable.

Not applicable.

100 mM dNTP Mix (25 mM

5X Herculase II Reaction

each dNTP)

Buffer

### Se

ection 2. Ha	zard(s) identification	
Disposal	: ØMSO	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	SureSelect QXT Enzyme Mix ILM	Not applicable.
	SureSelect QXT Buffer	Not applicable.
	Herculase II Fusion DNA Polymerase	Not applicable.
	SureSelect QXT Index Read Primer	Not applicable.
	SureSelect QXT Read Primer 1	Not applicable.

SureSelect QXT Read Not applicable. Primer 2 SureSelect QXT P7 i1 Not applicable. Not applicable. SureSelect QXT P7 i2 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 P7 i9 Not applicable. SureSelect QXT P7 i10 Not applicable. SureSelect QXT P7 i11 Not applicable. SureSelect QXT P7 i12 Not applicable. Not applicable. SureSelect QXT P5 i13 Not applicable. SureSelect QXT P5 i14 Not applicable. SureSelect QXT P5 i15 Not applicable. SureSelect QXT P5 i16 Not applicable. SureSelect QXT P5 i17 Not applicable. SureSelect QXT P5 i18

SureSelect QXT P5 i19 SureSelect QXT P5 i20 100 mM dNTP Mix (25 mM each dNTP)

5X Herculase II Reaction Buffer

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Not applicable.

Not applicable.

Not applicable.

#### Supplemental label elements

**Additional warning** phrases

™SO	Not applicable.
SureSelect QXT Enzyme	Not applicable.
Mix ILM	
SureSelect QXT Buffer	Not applicable.
Herculase II Fusion DNA	Not applicable.
Polymerase	Niet en Period
SureSelect QXT Index Read	Not applicable.
Primer	Niet ennlieelele
SureSelect QXT Read	Not applicable.
Primer 1	Not applicable
SureSelect QXT Read Primer 2	Not applicable.
SureSelect QXT P7 i1	Not applicable
SureSelect QXT P7 i2	Not applicable.
SureSelect QXT P7 i3	Not applicable. 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 P7 i9	Not applicable.
SureSelect QXT P7 i10	Not applicable.
30.000.00t Q/(1 1 1 110	. ici applicable.

Date of issue/Date of revision : 22/05/2018 : 29/08/2016 Version :3 6/83 Date of previous issue

Not applicable. SureSelect QXT P7 i11 Not applicable. SureSelect QXT P7 i12 Not applicable. SureSelect QXT P5 i13 SureSelect QXT P5 i14 Not applicable. SureSelect QXT P5 i15 Not applicable. SureSelect QXT P5 i16 Not applicable. SureSelect QXT P5 i17 Not applicable. SureSelect QXT P5 i18 Not applicable. SureSelect QXT P5 i19 Not applicable. SureSelect QXT P5 i20 Not applicable. 100 mM dNTP Mix (25 mM Not applicable. each dNTP) 5X Herculase II Reaction Not applicable.

Other hazards which do not : MSO result in classification SureSe

MSO None known. SureSelect QXT Enzyme None known.

Mix ILM
SureSelect QXT Buffer None known.
Herculase II Fusion DNA None known.

Polymerase

SureSelect QXT Index Read None known.

Primer

Buffer

SureSelect QXT Read None known.

Primer 1

SureSelect QXT Read None known.

Primer 2

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. None known. SureSelect QXT P7 i6 SureSelect QXT P7 i7 None known. SureSelect QXT P7 i8 None known. SureSelect QXT P7 i9 None known. None known. SureSelect QXT P7 i10 SureSelect QXT P7 i11 None known. SureSelect QXT P7 i12 None known. SureSelect QXT P5 i13 None known. SureSelect QXT P5 i14 None known. SureSelect QXT P5 i15 None known. SureSelect QXT P5 i16 None known. SureSelect QXT P5 i17 None known. SureSelect QXT P5 i18 None known. SureSelect QXT P5 i19 None known. SureSelect QXT P5 i20 None known.

Section 3. Composition and ingredient information

each dNTP)

Substance/mixture : DMSO

100 mM dNTP Mix (25 mM

5X Herculase II Reaction

Mix ILM

SureSelect QXT Buffer Mixture Herculase II Fusion DNA Mixture

Polymerase

SureSelect QXT Index Read Mixture

Primer

SureSelect QXT Read Mixture

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 7/83

None known.

None known.

## Section 3. Composition and ingredient information

Primer 1	
SureSelect QXT Read	Mixture
Primer 2	
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 P7 i9	Mixture
SureSelect QXT P7 i10	Mixture
SureSelect QXT P7 i11	Mixture
SureSelect QXT P7 i12	Mixture
SureSelect QXT P5 i13	Mixture
SureSelect QXT P5 i14	Mixture
SureSelect QXT P5 i15	Mixture
SureSelect QXT P5 i16	Mixture
SureSelect QXT P5 i17	Mixture
SureSelect QXT P5 i18	Mixture
SureSelect QXT P5 i19	Mixture
SureSelect QXT P5 i20	Mixture
100 mM dNTP Mix (25 mM	Mixture
each dNTP)	
5X Herculase II Reaction	Mixture
Buffer	

#### **CAS** number/other identifiers

Ingredient name	% (w/w)	CAS number
Dimethyl sulfoxide	100	67-68-5
SureSelect QXT Enzyme Mix ILM Glycerol	≥30 - ≤60	56-81-5
SureSelect QXT Buffer Glycerol	≥30 - ≤60	56-81-5
Herculase II Fusion DNA Polymerase Glycerol	≥30 - ≤60	56-81-5
5X Herculase II Reaction Buffer Ammonium sulphate	<2.5	7783-20-2

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

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

#### Section 4. First aid measures

**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. Get medical attention

if irritation occurs.

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. Get

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 8/83

SureSelect QXT Buffer	medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
Herculase II Fusion DNA Polymerase	Check for and remove any contact lenses. Get medical attention if irritation occurs.  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation possess.
SureSelect QXT Index Read Primer	medical attention if irritation occurs.  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  Check for and remove any contact lenses. Get
SureSelect QXT Read Primer 1	medical attention if irritation occurs.  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  Check for and remove any contact lenses. Get
SureSelect QXT Read Primer 2	medical attention if irritation occurs.  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.  Check for and remove any contact lenses. Get
SureSelect QXT P7 i1	medical attention if irritation occurs.  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i2	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i3	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i4	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i5	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i6	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i7	Check for and remove any contact lenses. Get medical attention if irritation occurs.  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i8	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i9	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i10	Check for and remove any contact lenses. Get medical attention if irritation occurs. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
SureSelect QXT P7 i11	Check for and remove any contact lenses. Get medical attention if irritation occurs.  Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 9/83

medical attention if irritation occurs.

SureSelect QXT P7 i12 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 i13 Immediately flush eyes with plenty of water,

SureSelect QXT P5 i13 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 P5 i15 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 i16 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 i17 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 i18 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 i19 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 i20 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses. Get

medical attention if irritation occurs.

100 mM dNTP Mix (25 mM

each dNTP)

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses. Get

5X Herculase II Reaction

Buffer

medical attention if irritation occurs.

Immediately flush eyes with plenty of water,

occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention

if irritation occurs.

Inhalation : 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.

SureSelect QXT Enzyme

Mix ILM

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

attention if symptoms occur.

SureSelect QXT Buffer Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

attention if symptoms occur.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 10/83

Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i0 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i0 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i0 SureSelect QXT P7 i8 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i0 SureSelect QXT P7 i8 SureSelect QXT P7 i8 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i0 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P7 i12 SureSelect QXT P7 i13 SureSelect QXT P7 i14 SureSelect QXT P7 i15 SureSelect QXT P7 i16 SureSelect QXT P7 i17 SureSelect QXT P7 i18 SureSelect QXT P7 i19 SureSelect QXT P7 i10 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P7 i12 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16		
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SureSelect QXT P5 i17 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.		
position comfortable for breathing. Get medical attention if symptoms occur.	SureSelect QXT P5 i17	
attention if symptoms occur.		
		attention if symptoms occur.
	SureSelect QXT P5 i18	Remove victim to fresh air and keep at rest in a

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 11/83

position comfortable for breathing. Get medical attention if symptoms occur.

Remove victim to fresh air and keep at rest in a SureSelect QXT P5 i19 position comfortable for breathing. Get medical

attention if symptoms occur.

SureSelect QXT P5 i20 Remove victim to fresh air and keep at rest in a

position comfortable for breathing. Get medical

attention if symptoms occur.

100 mM dNTP Mix (25 mM

each dNTP)

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept

under medical surveillance for 48 hours.

5X Herculase II Reaction 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. 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.

medical attention if symptoms occur. Wash clothing

before reuse. Clean shoes thoroughly before reuse. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get

medical attention if symptoms occur.

SureSelect QXT Buffer Flush contaminated skin with plenty of water.

Remove contaminated clothing and shoes. Get

medical attention if symptoms occur.

Flush contaminated skin with plenty of water. Polymerase 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.

Flush contaminated skin with plenty of water. 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.

Flush contaminated skin with plenty of water. SureSelect QXT P7 i1

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.

Flush contaminated skin with plenty of water.

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.

: MSO **Skin contact** 

SureSelect QXT Enzyme Mix ILM

Herculase II Fusion DNA

SureSelect QXT Index Read

Primer

SureSelect QXT Read Primer 1

SureSelect QXT Read

Primer 2

SureSelect QXT P7 i3

SureSelect QXT P7 i4

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version:3 12/83

Ingestion

SureSelect QXT P7 i5	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
SureSelect QXT P7 i6	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
SureSelect QXT P7 i7	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 P7 i8	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
SureSelect QXT P7 i9	medical attention if symptoms occur. Flush contaminated skin with plenty of water.  Pomove contaminated elething and shoop. Cet
	Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect QXT P7 i10	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get
SureSelect QXT P7 i11	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 P7 i12	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.  Remove contaminated clothing and shoes. Get
	medical attention if symptoms occur.
SureSelect QXT P5 i14	Flush contaminated skin with plenty of water.
	Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect QXT P5 i15	Flush contaminated skin with plenty of water.
	Remove contaminated clothing and shoes. Get
SureSelect QXT P5 i16	medical attention if symptoms occur. Flush contaminated skin with plenty of water.
	Remove contaminated clothing and shoes. Get
Sura Salast OVT DE i17	medical attention if symptoms occur.
SureSelect QXT P5 i17	Flush contaminated skin with plenty of water.  Remove contaminated clothing and shoes. Get
	medical attention if symptoms occur.
SureSelect QXT P5 i18	Flush contaminated skin with plenty of water.
	Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
SureSelect QXT P5 i19	Flush contaminated skin with plenty of water.
	Remove contaminated clothing and shoes. Get
SureSelect QXT P5 i20	medical attention if symptoms occur. Flush contaminated skin with plenty of water.
	Remove contaminated clothing and shoes. Get
100 mM dNTD Mix (25 mM	medical attention if symptoms occur. Flush contaminated skin with plenty of water.
100 mM dNTP Mix (25 mM each dNTP)	Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
5X Herculase II Reaction	Flush contaminated skin with plenty of water.
Buffer	Remove contaminated clothing and shoes. Get
	medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
: MSO	Wash out mouth with water. Remove dentures if any
,	Remove victim to fresh air and keep at rest in a
	position comfortable for breathing. 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

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

Date of issue/Date of revision: 22/05/2018Date of previous issue: 29/08/2016Version: 313/83

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 victim to fresh air and keep at rest in a position comfortable for breathing. 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 Buffer

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 victim to fresh air and keep at rest in a position comfortable for breathing. 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.

Primer

SureSelect QXT Index Read Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 i1

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 i2

Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

: 29/08/2016 Date of issue/Date of revision : 22/05/2018 Date of previous issue Version:3 14/83

SureSelect QXT P7 i3	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for
	breathing. 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 i4	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for
	breathing. 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
SureSelect QXT P7 i5	attention if symptoms occur.  Wash out mouth with water. Remove victim to fresh
SureSelect QXT F7 IS	air and keep at rest in a position comfortable for
	breathing. 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 i6	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for
	breathing. 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 i7	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for
	breathing. 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
0 0la.at 0.VT D7.10	attention if symptoms occur.
SureSelect QXT P7 i8	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for breathing. 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 i9	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for
	breathing. 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 i10	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for
	breathing. 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
Cura Calast OVT D7:44	attention if symptoms occur.
SureSelect QXT P7 i11	Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for breathing. 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 i12	Wash out mouth with water. Remove victim to fresh

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 15/83

	air and keep at rest in a position comfortable for breathing. 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
SureSelect QXT P5 i13	attention if symptoms occur.  Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for breathing. 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
SureSelect QXT P5 i14	attention if symptoms occur.  Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless
0 0 1 1 0 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7	directed to do so by medical personnel. Get medical attention if symptoms occur.
SureSelect QXT P5 i15	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 i16	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 i17	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of
SureSelect QXT P5 i18	water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.  Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless
SureSelect QXT P5 i19	directed to do so by medical personnel. Get medical attention if symptoms occur.  Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for breathing. 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
SureSelect QXT P5 i20	attention if symptoms occur.  Wash out mouth with water. Remove victim to fresh
	air and keep at rest in a position comfortable for breathing. 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
100 mM dNTP Mix (25 mM each dNTP)	attention if symptoms occur.  Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 16/83

5X Herculase II Reaction Buffer

breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

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

#### Potential acute health effects

**Eye contact** 

: DMSO
SureSelect QXT Enzyme
No known significant effects or critical hazards.
No known significant effects or critical hazards.
Mix ILM

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

SureSelect QXT Index Read No known significant effects or critical hazards.

Primer

SureSelect QXT Read No known significant effects or critical hazards.

Primer 1

SureSelect QXT Read No known significant effects or critical hazards.

Primer 2 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 P7 i9 SureSelect QXT P7 i10

SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P5 i13

SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16

SureSelect QXT P5 i17 SureSelect QXT P5 i18 SureSelect QXT P5 i19

SureSelect QXT P5 i20 100 mM dNTP Mix (25 mM each dNTP)

5X Herculase II Reaction Buffer

No known significant effects or critical hazards. No known significant effects or critical hazards.

No known significant effects or critical hazards.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 17/83

hal	

Skin contact

: DMSO No known significant effects or critical hazards. SureSelect QXT Enzyme No known significant effects or critical hazards. Mix ILM SureSelect QXT Buffer No known significant effects or critical hazards. Herculase II Fusion DNA No known significant effects or critical hazards. Polymerase SureSelect QXT Index Read No known significant effects or critical hazards. Primer SureSelect QXT Read No known significant effects or critical hazards. Primer 1 SureSelect QXT Read No known significant effects or critical hazards. Primer 2 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 P7 i9 No known significant effects or critical hazards. SureSelect QXT P7 i10 No known significant effects or critical hazards. SureSelect QXT P7 i11 No known significant effects or critical hazards. SureSelect QXT P7 i12 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 P5 i15 No known significant effects or critical hazards. No known significant effects or critical hazards. SureSelect QXT P5 i16 SureSelect QXT P5 i17 No known significant effects or critical hazards. SureSelect QXT P5 i18 No known significant effects or critical hazards. SureSelect QXT P5 i19 No known significant effects or critical hazards. SureSelect QXT P5 i20 No known significant effects or critical hazards. 100 mM dNTP Mix (25 mM No known significant effects or critical hazards. each dNTP) 5X Herculase II Reaction No known significant effects or critical hazards. Buffer MSO No known significant effects or critical hazards. SureSelect QXT Enzyme No known significant effects or critical hazards. Mix ILM SureSelect QXT Buffer No known significant effects or critical hazards. Herculase II Fusion DNA No known significant effects or critical hazards. Polymerase SureSelect QXT Index Read No known significant effects or critical hazards. Primer SureSelect QXT Read No known significant effects or critical hazards. Primer 1 SureSelect QXT Read No known significant effects or critical hazards. Primer 2 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 P7 i9 No known significant effects or critical hazards. SureSelect QXT P7 i10 No known significant effects or critical hazards. SureSelect QXT P7 i11 No known significant effects or critical hazards. SureSelect QXT P7 i12 No known significant effects or critical hazards. SureSelect QXT P5 i13 No known significant effects or critical hazards.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 18/83

No known significant effects or critical hazards.

No known significant effects or critical hazards.

SureSelect QXT P5 i14

SureSelect QXT P5 i15

Ingestion

•		
	SureSelect QXT P5 i16	No known significant effects or critical hazards.
	SureSelect QXT P5 i17	No known significant effects or critical hazards.
	SureSelect QXT P5 i18	No known significant effects or critical hazards.
	SureSelect QXT P5 i19	No known significant effects or critical hazards.
	SureSelect QXT P5 i20	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
	each dNTP)	· ·
	5X Herculase II Reaction	No known significant effects or critical hazards.
	Buffer	•
÷	<b>M</b> SO	No known significant effects or critical hazards.
•	SureSelect QXT Enzyme	No known significant effects or critical hazards.
	Mix ILM	THE KNOWN DIGHTHOUSE CHOOLS OF CHILDRIFT HAZARAS.
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	Herculase II Fusion DNA	No known significant effects or critical hazards.
	Polymerase	TWO KNOWN Significant chects of childarnazards.
	SureSelect QXT Index Read	No known significant effects or critical hazards.
	Primer	TWO KNOWN Significant effects of childa hazards.
	SureSelect QXT Read	No known significant effects or critical hazards.
	Primer 1	TWO KNOWN Significant enects of ontiour nazaras.
	SureSelect QXT Read	No known significant effects or critical hazards.
	Primer 2	TWO KNOWN Significant chects of childarnazards.
	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 P7 i9	No known significant effects or critical hazards.
	SureSelect QXT P7 i10	No known significant effects or critical hazards.
	SureSelect QXT P7 i11	No known significant effects or critical hazards.
	SureSelect QXT P7 i12	No known significant effects or critical hazards.
	SureSelect QXT P5 i13	No known significant effects or critical hazards.
	SureSelect QXT P5 i14	•
	SureSelect QXT P5 i15	No known significant effects or critical hazards.
		No known significant effects or critical hazards.
	SureSelect QXT P5 i16	No known significant effects or critical hazards.
	SureSelect QXT P5 i17	No known significant effects or critical hazards.
	SureSelect QXT P5 i18	No known significant effects or critical hazards.
	SureSelect QXT P5 i19	No known significant effects or critical hazards.
	SureSelect QXT P5 i20	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
	each dNTP)	No longuage along the and afficiency and the state of the
	5X Herculase II Reaction	No known significant effects or critical hazards.
	Buffer	

#### Over-exposure signs/symptoms

<u>Over-exposure signs/s</u>	<u>ymptoms</u>	
Eye contact	: MSO	No specific data.
•	SureSelect QXT Enzyme	No specific data.
	Mix ILM	
	SureSelect QXT Buffer	No specific data.
	Herculase II Fusion DNA	No specific data.
	Polymerase	•
	SureSelect QXT Index Read	No specific data.

Primer

SureSelect QXT Read No specific data. Primer 1 SureSelect QXT Read No specific data. Primer 2 No specific data. SureSelect QXT P7 i1 SureSelect QXT P7 i2 No specific data. SureSelect QXT P7 i3 No specific data. No specific data. SureSelect QXT P7 i4 SureSelect QXT P7 i5 No specific data.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 19/83

Inhalation

**Skin contact** 

measures	
SureSelect QXT P7 i6	No specific data.
SureSelect QXT P7 i7	No specific data.
SureSelect QXT P7 i8	No specific data.
SureSelect QXT P7 i9	No specific data.
SureSelect QXT P7 i10	No specific data.
SureSelect QXT P7 i11	No specific data.
SureSelect QXT P7 i12	No specific data.
SureSelect QXT P5 i13	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT P5 i15	No specific data.
SureSelect QXT P5 i16	No specific data.
SureSelect QXT P5 i17	No specific data.
SureSelect QXT P5 i18	No specific data.
SureSelect QXT P5 i19	No specific data.
SureSelect QXT P5 i20	No specific data.
100 mM dNTP Mix (25 mM	No specific data.
each dNTP)	No aposifia data
5X Herculase II Reaction Buffer	No specific data.
: MSO	No specific data.
SureSelect QXT Enzyme	No specific data.
Mix ILM	Nie aussitie date
SureSelect QXT Buffer	No specific data.
Herculase II Fusion DNA	No specific data.
Polymerase SureSelect QXT Index Read	No aposifio data
Primer	No specific data.
SureSelect QXT Read	No specific data.
Primer 1	No specific data.
SureSelect QXT Read	No specific data.
Primer 2	no opcomo 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 P7 i9	No specific data.
SureSelect QXT P7 i10	No specific data.
SureSelect QXT P7 i11	No specific data.
SureSelect QXT P7 i12	No specific data.
SureSelect QXT P5 i13	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT P5 i15	No specific data.
SureSelect QXT P5 i16 SureSelect QXT P5 i17	No specific data.
SureSelect QXT P5117 SureSelect QXT P5 i18	No specific data. No specific data.
SureSelect QXT P5 i19	No specific data.
SureSelect QXT P5 i20	No specific data.
100 mM dNTP Mix (25 mM	No specific data.
each dNTP)	140 opcomo data.
5X Herculase II Reaction	No specific data.
Buffer	rio oposino data:
	No enecific data
: IØMSO SureSelect QXT Enzyme	No specific data. No specific data.
Mix ILM	i vo apecinic uata.
SureSelect QXT Buffer	No specific data.
Herculase II Fusion DNA	No specific data.
Polymerase	op como data.
SureSelect QXT Index Read	No specific data.
Drimor	

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 20/83

Primer

Ingestion

SureSelect QXT Read Primer 1	No specific data.
SureSelect QXT Read Primer 2	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 P7 i9	No specific data.
SureSelect QXT P7 i10	No specific data.
SureSelect QXT P7 i11	No specific data.
SureSelect QXT P7 i12	No specific data.
SureSelect QXT P5 i13	
	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT P5 i15	No specific data.
SureSelect QXT P5 i16	No specific data.
SureSelect QXT P5 i17	No specific data.
SureSelect QXT P5 i18	No specific data.
SureSelect QXT P5 i19	No specific data.
SureSelect QXT P5 i20	No specific data.
100 mM dNTP Mix (25 mM	No specific data.
each dNTP)	No specific data.
	Nia amanifia data
5X Herculase II Reaction	No specific data.
Buffer	
™SO	No specific data.
SureSelect QXT Enzyme	No specific data.
Mix ILM	
SureSelect OXT Buffer	No specific data
SureSelect QXT Buffer	No specific data.
Herculase II Fusion DNA	No specific data. No specific data.
Herculase II Fusion DNA Polymerase	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read	
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer	No specific data.  No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1	No specific data.  No specific data.  No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read	No specific data.  No specific data.  No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read	No specific data.  No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2	No specific data.  No specific data.  No specific data.  No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i5	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i5 SureSelect QXT P7 i6	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 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 i6	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 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 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 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 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i8	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 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 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i8	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 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 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P7 i12 SureSelect QXT P5 i13	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P5 i13 SureSelect QXT P5 i13	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 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 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i15	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i16 SureSelect QXT P5 i16	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i3 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i16 SureSelect QXT P5 i17 SureSelect QXT P5 i17	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i3 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P5 i13 SureSelect QXT P5 i13 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i16 SureSelect QXT P5 i17 SureSelect QXT P5 i18 SureSelect QXT P5 i18 SureSelect QXT P5 i19	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i3 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i16 SureSelect QXT P5 i17 SureSelect QXT P5 i17	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i3 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P5 i13 SureSelect QXT P5 i13 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i16 SureSelect QXT P5 i17 SureSelect QXT P5 i18 SureSelect QXT P5 i18 SureSelect QXT P5 i19	No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i3 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i16 SureSelect QXT P5 i17 SureSelect QXT P5 i18 SureSelect QXT P5 i19 SureSelect QXT P5 i20 100 mM dNTP Mix (25 mM	No specific data.  No specific data.
Herculase II Fusion DNA Polymerase SureSelect QXT Index Read Primer SureSelect QXT Read Primer 1 SureSelect QXT Read Primer 2 SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i3 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i6 SureSelect QXT P7 i7 SureSelect QXT P7 i7 SureSelect QXT P7 i8 SureSelect QXT P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i11 SureSelect QXT P5 i13 SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i17 SureSelect QXT P5 i18 SureSelect QXT P5 i18 SureSelect QXT P5 i19 SureSelect QXT P5 i20	No specific data.  No specific data.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version :3 21/83

Buffer

#### <u>In</u>

	edical attention and special treatn	•
Notes to physician	: ⊅MSO	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
	SureSelect QXT Buffer	ingested or inhaled.  Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been
	Herouless II Fusion DNA	ingested or inhaled.
	Herculase II Fusion DNA Polymerase	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT Index Read Primer	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	Treat symptomatically. Contact poison treatment
	Primer 2	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
	SureSelect QXT P7 i7	ingested or inhaled.  Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been incerted or inhaled.
	SureSelect QXT P7 i8	ingested or inhaled.  Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i9	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i10	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i11	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P7 i12	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P5 i13	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version :3 22/83

**Specific treatments** 

l	measures	
	SureSelect QXT P5 i14	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been
	SureSelect QXT P5 i15	ingested or inhaled.  Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P5 i16	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P5 i17	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been
	SureSelect QXT P5 i18	ingested or inhaled.  Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P5 i19	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SureSelect QXT P5 i20	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	100 mM dNTP Mix (25 mM each dNTP)	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	5X Herculase II Reaction Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
:	MSO SureSelect QXT Enzyme Mix ILM	No specific treatment.  No specific treatment.
	SureSelect QXT Buffer Herculase II Fusion DNA Polymerase	No specific treatment. No specific treatment.
	SureSelect QXT Index Read Primer	No specific treatment.
	SureSelect QXT Read Primer 1 SureSelect QXT Read	No specific treatment.
	Primer 2 SureSelect QXT P7 i1	No specific treatment.  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 SureSelect QXT P7 i7	No specific treatment.  No specific treatment.
	SureSelect QXT P7 i8	No specific treatment.
	SureSelect QXT P7 i9	No specific treatment.
	SureSelect QXT P7 i10	No specific treatment.
	SureSelect QXT P7 i11	No specific treatment.
	SureSelect QXT P7 i12	No specific treatment.
	SureSelect QXT P5 i13	No specific treatment.
	SureSelect QXT P5 i14 SureSelect QXT P5 i15	No specific treatment.  No specific treatment.
	SureSelect QXT P5 i16	No specific treatment.
	SureSelect QXT P5 i17	No specific treatment.
	SureSelect QXT P5 i18	No specific treatment.
	SureSelect QXT P5 i19	No specific treatment.
	SureSelect QXT P5 i20	No specific treatment.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 23/83

No specific treatment.

No specific treatment.

SureSelect QXT P5 i20

each dNTP)

100 mM dNTP Mix (25 mM

**Protection of first-aiders** 

measures	
5X Herculase II Reaction Buffer	No specific treatment.
: MSO	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.
SureSelect QXT Buffer	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.
SureSelect QXT Index Read Primer	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 P7 i1	No action shall be taken involving any personal risk or without suitable training.
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 P7 i9	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i10	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i11	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P7 i12	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 P5 i15	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P5 i16	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P5 i17	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P5 i18	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P5 i19	No action shall be taken involving any personal risk or without suitable training.
SureSelect QXT P5 i20	No action shall be taken involving any personal risk or without suitable training.
100 mM dNTP Mix (25 mM each dNTP)	No action shall be taken involving any personal risk or without suitable training.
5X Herculase II Reaction 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

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 24/83

resuscitation.

See toxicological information (Section 11)

## Section 5. Firefighting measures

#### **Extinguishing media**

Suitable extinguishing media

: MSO Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam. SureSelect QXT Enzyme Use an extinguishing agent suitable for the Mix ILM surrounding fire. SureSelect QXT Buffer Use an extinguishing agent suitable for the surrounding fire. Herculase II Fusion DNA Use an extinguishing agent suitable for the Polymerase surrounding fire. SureSelect QXT Index Read Use an extinguishing agent suitable for the Primer surrounding fire. SureSelect QXT Read Use an extinguishing agent suitable for the Primer 1 surrounding fire. SureSelect QXT Read Use an extinguishing agent suitable for the Primer 2 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. SureSelect QXT P7 i8 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P7 i9 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P7 i10 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P7 i11 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P7 i12 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 P5 i15 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P5 i16 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P5 i17 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P5 i18 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P5 i19 Use an extinguishing agent suitable for the surrounding fire. SureSelect QXT P5 i20 Use an extinguishing agent suitable for the surrounding fire. 100 mM dNTP Mix (25 mM Use an extinguishing agent suitable for the each dNTP) surrounding fire.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 25/83

Use an extinguishing agent suitable for the

5X Herculase II Reaction

#### **Unsuitable extinguishing** media

Buffer surrounding fire. **MSO** Do not use water jet. SureSelect QXT Enzyme None known. Mix ILM SureSelect QXT Buffer None known. Herculase II Fusion DNA None known. Polymerase SureSelect QXT Index Read None known. Primer SureSelect QXT Read None known. Primer 1 SureSelect QXT Read None known. Primer 2 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 P7 i9 None known. SureSelect QXT P7 i10 None known. SureSelect QXT P7 i11 None known. SureSelect QXT P7 i12 None known. SureSelect QXT P5 i13 None known. SureSelect QXT P5 i14 None known. SureSelect QXT P5 i15 None known. SureSelect QXT P5 i16 None known. SureSelect QXT P5 i17 None known. SureSelect QXT P5 i18 None known. SureSelect QXT P5 i19 None known. SureSelect QXT P5 i20 None known. 100 mM dNTP Mix (25 mM None known. each dNTP) 5X Herculase II Reaction None known. Buffer

#### Specific hazards arising from the chemical

: 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 vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back

SureSelect QXT Enzyme

Mix ILM

SureSelect QXT Buffer

In a fire or if heated, a pressure increase will occur

and the container may burst.

In a fire or if heated, a pressure increase will occur

and the container may burst.

Herculase II Fusion DNA

Polymerase

In a fire or if heated, a pressure increase will occur

and the container may burst.

SureSelect QXT Index Read

In a fire or if heated, a pressure increase will occur

and the container may burst.

Primer

In a fire or if heated, a pressure increase will occur

SureSelect QXT Read

and the container may burst.

Primer 1

In a fire or if heated, a pressure increase will occur

SureSelect QXT Read Primer 2

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.

SureSelect QXT P7 i2 In a fire or if heated, a pressure increase will occur

and the container may burst.

Date of issue/Date of revision : 22/05/2018 : 29/08/2016 26/83 Date of previous issue Version: 3

Hazardous thermal decomposition products

	ng measures	
	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
	0 0 1 1 0 7 57 15	and the container may burst.
	SureSelect QXT P7 i5	In a fire or if heated, a pressure increase will occur
	SureSelect QXT P7 i6	and the container may burst. In a fire or if heated, a pressure increase will occur
	SuleSelect QX1 F7 lo	and the container may burst.
	SureSelect QXT P7 i7	In a fire or if heated, a pressure increase will occur
	Carocologi QXI I I II	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 P7 i9	In a fire or if heated, a pressure increase will occur
		and the container may burst.
	SureSelect QXT P7 i10	In a fire or if heated, a pressure increase will occur
	0 0 1 1 0 7 57 144	and the container may burst.
	SureSelect QXT P7 i11	In a fire or if heated, a pressure increase will occur
	SureSelect QXT P7 i12	and the container may burst.  In a fire or if heated, a pressure increase will occur
	SureSelect QXT P7 112	and the container may burst.
	SureSelect QXT P5 i13	In a fire or if heated, a pressure increase will occur
	Cureceled QXI 1 0 110	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 P5 i15	In a fire or if heated, a pressure increase will occur
	Own Oak at OVT DE 140	and the container may burst.
	SureSelect QXT P5 i16	In a fire or if heated, a pressure increase will occur
	SureSelect QXT P5 i17	and the container may burst. In a fire or if heated, a pressure increase will occur
	Carocologi QXI 1 0 117	and the container may burst.
	SureSelect QXT P5 i18	In a fire or if heated, a pressure increase will occur
		and the container may burst.
	SureSelect QXT P5 i19	In a fire or if heated, a pressure increase will occur
	Cura Calant OVT DE :00	and the container may burst.
	SureSelect QXT P5 i20	In a fire or if heated, a pressure increase will occur and the container may burst.
	100 mM dNTP Mix (25 mM	In a fire or if heated, a pressure increase will occur
	each dNTP)	and the container may burst.
	5X Herculase II Reaction	In a fire or if heated, a pressure increase will occur
	Buffer	and the container may burst. This material is toxic to
		aquatic life. Fire water contaminated with this
		material must be contained and prevented from being
		discharged to any waterway, sewer or drain.
:	<b>Ø</b> MSO	Decomposition products may include the following
		materials:
		carbon dioxide
		carbon monoxide
	SureSelect QXT Enzyme	sulfur oxides Decomposition products may include the following
	Mix ILM	materials:
		carbon dioxide
		carbon monoxide
		halogenated compounds
		metal oxide/oxides
	SureSelect QXT Buffer	Decomposition products may include the following
		materials:
		carbon dioxide carbon monoxide
	Herculase II Fusion DNA	Decomposition products may include the following
	Polymerase	materials:
	. 3.3	carbon diovide

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 27/83

SureSelect QXT Index Read No specific data.

carbon dioxide carbon monoxide

SureSelect QXT Read No specific data. Primer 1 SureSelect QXT Read No specific data. Primer 2 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 P7 i9 No specific data. SureSelect QXT P7 i10 No specific data. No specific data. SureSelect QXT P7 i11 SureSelect QXT P7 i12 No specific data. SureSelect QXT P5 i13 No specific data. SureSelect QXT P5 i14 No specific data. SureSelect QXT P5 i15 No specific data. SureSelect QXT P5 i16 No specific data. SureSelect QXT P5 i17 No specific data. SureSelect QXT P5 i18 No specific data. SureSelect QXT P5 i19 No specific data. SureSelect QXT P5 i20 No specific data. 100 mM dNTP Mix (25 mM Decomposition products may include the following materials: each dNTP) carbon dioxide carbon monoxide nitrogen oxides

5X Herculase II Reaction Buffer

J11

phosphorus oxides

Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides

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.

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

SureSelect QXT Buffer

without suitable training.

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 Index 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 Read

Primer 1

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 28/83

	without suitable training.
SureSelect QXT Read	Promptly isolate the scene by removing all persons
Primer 2	from the vicinity of the incident if there is a fire. No
Tillio Z	action shall be taken involving any personal risk or
	without suitable training.
SureSelect QXT P7 i1	Promptly isolate the scene by removing all persons
Sureselect QXT F7 T1	
	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
0 011 OVT D7 '0	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.
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 P7 i9	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 i10	Promptly isolate the scene by removing all persons
Carocolog GXT 1 7 110	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 i11	Promptly isolate the scene by removing all persons
Carocologi GXTT7TT	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 i12	Promptly isolate the scene by removing all persons
Sureselect QXTTTT12	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
Ouredeled QAT FOTTS	from the vicinity of the incident if there is a fire. No
	action shall be taken involving any personal risk or
SuraSalast OVT DE :14	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
SureSelect QXT P5 i15	without suitable training.  Promptly isolate the scene by removing all persons

action shall be taken involving any personal risk or

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 29/83

**Special protective** 

equipment for fire-fighters

		from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	SureSelect QXT P5 i16	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No
	SureSelect QXT P5 i17	action shall be taken involving any personal risk or without suitable training.  Promptly isolate the scene by removing all persons from the visibility of the incident if there is a fire. No
	Cure Calcat OVT D5 i40	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 i18	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
	SureSelect QXT P5 i19	without suitable training.  Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No
	SureSelect QXT P5 i20	action shall be taken involving any personal risk or without suitable training.  Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No
	100 mM dNTP Mix (25 mM	action shall be taken involving any personal risk or without suitable training.  Promptly isolate the scene by removing all persons
	each dNTP)	from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	5X Herculase II Reaction 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.
:	MSO	Fire-fighters should wear appropriate protective
		equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	SureSelect QXT Enzyme Mix ILM	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
		equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Mix ILM	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Mix ILM SureSelect QXT Buffer Herculase II Fusion DNA	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
	Mix ILM  SureSelect QXT Buffer  Herculase II Fusion DNA Polymerase  SureSelect QXT Index Read	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Mix ILM  SureSelect QXT Buffer  Herculase II Fusion DNA Polymerase  SureSelect QXT Index Read Primer  SureSelect QXT Read	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 30/83

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 P7 i9	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 i10	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 i11	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 i12	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 P5 i15	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
SureSelect QXT P5 i16	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive
SureSelect QXT P5 i17	pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 31/83

pressure mode.

SureSelect QXT P5 i18 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 i19 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 i20 Fire-fighters should wear appropriate protective

equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

pressure mode.

100 mM dNTP Mix (25 mM

each dNTP)

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

(SCBA) with a full face-piece operated in positive

pressure mode.

5X Herculase II Reaction

Buffer

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive

pressure mode.

#### Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: MSO

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

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 spilt material. 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 spilt material. Put on appropriate personal

protective equipment.

Herculase II Fusion DNA

Polymerase

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

areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal

protective equipment.

SureSelect QXT Index 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 spilt material. Put on appropriate personal

No action shall be taken involving any personal risk

protective equipment.

SureSelect QXT Read

Primer 1

or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk

Date of issue/Date of revision: 22/05/2018Date of previous issue: 29/08/2016Version: 332/83

protective equipment. SureSelect QXT Read No action shall be taken involving any personal risk Primer 2 or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. SureSelect 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 spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk SureSelect QXT P7 i2 or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. SureSelect QXT P7 i3 No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. SureSelect 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 spilt 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 spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk SureSelect QXT P7 i6 or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. SureSelect 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 spilt 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 spilt material. Put on appropriate personal protective equipment. SureSelect QXT P7 i9 No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk SureSelect QXT P7 i10

through spilt material. Put on appropriate personal

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 33/83

	or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect QXT P7 i11	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect QXT P7 i12	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect 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 spilt 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 spilt material. Put on appropriate personal protective equipment.
SureSelect QXT P5 i15	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal
SureSelect QXT P5 i16	protective equipment.  No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect QXT P5 i17	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect QXT P5 i18	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal
SureSelect QXT P5 i19	protective equipment.  No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SureSelect QXT P5 i20	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

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 34/83

100 mM dNTP Mix (25 mM each dNTP)

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

through spilt material. Put on appropriate personal

protective equipment.

5X Herculase II Reaction Buffer

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

For emergency responders : MSO

SureSelect QXT Enzyme Mix ILM

SureSelect QXT Buffer

Herculase II Fusion DNA Polymerase

SureSelect QXT Index Read Primer

SureSelect QXT Read Primer 1

SureSelect QXT Read Primer 2

SureSelect QXT P7 i1

SureSelect QXT P7 i2

SureSelect QXT P7 i3

SureSelect QXT P7 i4

SureSelect QXT P7 i5

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the

specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on

suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 35/83

SureSelect QXT P7 i6	information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i7	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i8	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i9	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i10	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i11	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P7 i12	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i13	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i14	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i15	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i16	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i17	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i18	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i19	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SureSelect QXT P5 i20	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
100 mM dNTP Mix (25 mM each dNTP)	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 36/83

5X Herculase II Reaction Buffer

suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### **Environmental precautions**

: MSO

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SureSelect QXT Enzyme

Mix ILM

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT Buffer Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

Herculase II Fusion DNA

Polymerase

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT Index Read

Primer

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT Read

Primer 1

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT Read

Primer 2

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT P7 i1 Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT P7 i2 Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT P7 i3 Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT P7 i4 Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT P7 i5 Avoid dispersal of spilt material and runoff and

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 37/83

	contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
SureSelect QXT P7 i6	soil or air).  Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i7	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i8	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i9	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P7 i10	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	soil or air).
SureSelect QXT P7 i11	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	soil or air).
SureSelect QXT P7 i12	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.  Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P5 i13	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has
	caused environmental pollution (sewers, waterways, soil or air).
SureSelect QXT P5 i14	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	soil or air).
SureSelect QXT P5 i15	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	soil or air).
SureSelect QXT P5 i16	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	soil or air).
SureSelect QXT P5 i17	Avoid dispersal of spilt material and runoff and
	contact with soil, waterways, drains and sewers.
	Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,
	sacosa criticornicitai ponduori (sewers, waterways,

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 38/83

soil or air).

SureSelect QXT P5 i18 Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT P5 i19 Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

SureSelect QXT P5 i20 Avoid dispersal of spilt material and runoff and

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways,

soil or air).

100 mM dNTP Mix (25 mM

each dNTP)

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, ...

soil or air).

5X Herculase II Reaction

Buffer

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### Methods and material for containment and cleaning up

Methods for cleaning up :

: MSO

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.

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.

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 Index 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 Read

Primer 1

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 39/83

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 Stop leak if without risk. Move containers from spill Primer 2 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. 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. Stop leak if without risk. Move containers from spill SureSelect QXT P7 i6 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 P7 i9 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

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 40/83

SureSelect QXT P7 i10

SureSelect QXT P7 i11

### Section 6. Accidental release measures

disposal contractor. SureSelect QXT P7 i12 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 P5 i15 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 i16 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 i17 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 i18 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 i19 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 i20 Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. : 29/08/2016 Date of previous issue Version: 3

disposal contractor.

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

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

Date of issue/Date of revision : 22/05/2018 41/83

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

100 mM dNTP Mix (25 mM

each dNTP)

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

5X Herculase II Reaction Buffer

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

### Section 7. Handling and storage

**Precautions for safe handling** 

**Protective measures** : MSO

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosionproof 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.

SureSelect QXT Enzyme

Mix ILM

SureSelect QXT Buffer

Put on appropriate personal protective equipment (see Section 8).

Put on appropriate personal protective equipment

Put on appropriate personal protective equipment

Put on appropriate personal protective equipment

Put on appropriate personal protective equipment (see Section 8).

(see Section 8).

(see Section 8).

(see Section 8).

Herculase II Fusion DNA

Polymerase

SureSelect QXT Index Read

Primer

SureSelect QXT Read

Primer 1

SureSelect QXT Read

Primer 2

SureSelect QXT P7 i1

Put on appropriate personal protective equipment

(see Section 8).

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).

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version:3 42/83

SureSelect QXT P7 i9 Put on appropriate personal protective equipment (see Section 8). SureSelect QXT P7 i10 Put on appropriate personal protective equipment (see Section 8). SureSelect QXT P7 i11 Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment SureSelect QXT P7 i12 (see Section 8). Put on appropriate personal protective equipment SureSelect QXT P5 i13 (see Section 8). SureSelect QXT P5 i14 Put on appropriate personal protective equipment (see Section 8). Put on appropriate personal protective equipment SureSelect QXT P5 i15 (see Section 8). SureSelect QXT P5 i16 Put on appropriate personal protective equipment (see Section 8). SureSelect QXT P5 i17 Put on appropriate personal protective equipment (see Section 8). SureSelect QXT P5 i18 Put on appropriate personal protective equipment (see Section 8). SureSelect QXT P5 i19 Put on appropriate personal protective equipment (see Section 8). SureSelect QXT P5 i20 Put on appropriate personal protective equipment (see Section 8). 100 mM dNTP Mix (25 mM Put on appropriate personal protective equipment each dNTP) (see Section 8). 5X Herculase II Reaction Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with Buffer eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when

Advice on general occupational hygiene

: MSO

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.

not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

SureSelect QXT Enzyme Mix ILM

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SureSelect QXT 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.

Herculase II Fusion DNA Polymerase

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SureSelect QXT Index Read Eating, drinking and smoking should be prohibited in

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 43/83

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 Eating, drinking and smoking should be prohibited in Primer 1 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 Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and Primer 2 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 i1 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 i2 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 i3 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 i4 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 i5 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 i6 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 i7 Eating, drinking and smoking should be prohibited in

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 44/83

areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in SureSelect QXT P7 i8 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 i9 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 i10 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 i11 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 i12 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 P5 i15 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 i16 Eating, drinking and smoking should be prohibited in

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 45/83

SureSelect QXT P5 i17

before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and

areas where this material is handled, stored and processed. Workers should wash hands and face

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additional information on hygiene measures.

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additional information on hygiene measures.

SureSelect QXT P5 i18

SureSelect QXT P5 i19

SureSelect QXT P5 i20

100 mM dNTP Mix (25 mM each dNTP)

5X Herculase II Reaction

Buffer

Conditions for safe storage, : MSO including any

incompatibilities

Storage temperature: -20°C (-4°F). 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

: 29/08/2016 46/83 Date of issue/Date of revision : 22/05/2018 Date of previous issue Version:3

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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct suplight in a

SureSelect QXT 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 an

incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in

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incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled

dry, cool and well-ventilated area, away from

Herculase II Fusion DNA Polymerase

SureSelect QXT Index Read Primer

SureSelect QXT Read Primer 1

SureSelect QXT Read Primer 2

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 47/83

SureSelect QXT P7 i1

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

containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

SureSelect QXT P7 i2 Store i

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

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

SureSelect QXT P7 i4

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 to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

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drink. Keep container tightly closed and sealed until

environmental contamination. See Section 10 for

SureSelect QXT P7 i6

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 48/83

SureSelect QXT P7 i7

SureSelect QXT P7 i8

SureSelect QXT P7 i9

SureSelect QXT P7 i10

SureSelect QXT P7 i11

SureSelect QXT P7 i12

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

original container protected from direct sunlight in a

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 49/83

SureSelect QXT P5 i13

SureSelect QXT P5 i14

SureSelect QXT P5 i15

SureSelect QXT P5 i16

SureSelect QXT P5 i17

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

environmental contamination. See Section 10 for

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 50/83

SureSelect QXT P5 i18

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

SureSelect QXT P5 i19

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

SureSelect QXT P5 i20

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from

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100 mM dNTP Mix (25 mM each dNTP)

incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food an

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5X Herculase II Reaction
Buffer
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and

drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 51/83

### Section 8. Exposure controls and personal protection

#### **Control parameters**

Occupational exposure limits

Ingredient name	Exposure limits
<b>D</b> MSO	
Dimethyl sulfoxide	DFG MAC-values list (Germany, 7/2017). Absorbed through skin. PEAK: 320 mg/m³, 4 times per shift, 15 minutes. TWA: 160 mg/m³ 8 hours. PEAK: 100 ppm, 4 times per shift, 15 minutes. TWA: 50 ppm 8 hours.
SureSelect QXT Enzyme Mix ILM Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.
SureSelect QXT Buffer	
Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.
Herculase II Fusion DNA Polymerase Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m³ 8 hours.

## Appropriate engineering controls

## **Environmental exposure** controls

- Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

#### Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

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

# Skin protection Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 52/83

### Section 8. Exposure controls and personal protection

#### 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

#### **Appearance**

**Physical state** 

: DMSO Liquid. [Clear.] SureSelect QXT Enzyme Liquid. Mix ILM SureSelect QXT Buffer Liquid. Herculase II Fusion DNA Liquid. Polymerase SureSelect QXT Index Read Liquid. Primer SureSelect QXT Read Liquid. Primer 1 SureSelect QXT Read Liquid. Primer 2 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 P7 i9 Liquid. SureSelect QXT P7 i10 Liquid. SureSelect QXT P7 i11 Liquid. SureSelect QXT P7 i12 Liquid. SureSelect QXT P5 i13 Liquid. SureSelect QXT P5 i14 Liquid. SureSelect QXT P5 i15 Liquid. SureSelect QXT P5 i16 Liquid. SureSelect QXT P5 i17 Liquid. SureSelect QXT P5 i18 Liquid. SureSelect QXT P5 i19 Liquid. SureSelect QXT P5 i20 Liquid. 100 mM dNTP Mix (25 mM Liquid. each dNTP) 5X Herculase II Reaction Liquid. Buffer

Colour

**MSO** Colourless. SureSelect QXT Enzyme Not available. Mix ILM SureSelect QXT Buffer Not available. Herculase II Fusion DNA Not available. Polymerase SureSelect QXT Index Read Not available. Primer SureSelect QXT Read Not available. Primer 1 SureSelect QXT Read Not available. Primer 2 SureSelect QXT P7 i1 Not available. Not available. SureSelect QXT P7 i2 Not available. SureSelect QXT P7 i3 SureSelect QXT P7 i4 Not available.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 53/83

**Odour** 

**Odour threshold** 

## Section 9. Physical and chemical properties

	and cnemicai prop	erties
	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 P7 i9	Not available.
	SureSelect QXT P7 i10	Not available.
	SureSelect QXT P7 i11	Not available.
	SureSelect QXT P7 i12	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT P5 i15	Not available.
	SureSelect QXT P5 i16	Not available.
	SureSelect QXT P5 i17	Not available.
	SureSelect QXT P5 i18	Not available.
	SureSelect QXT P5 i19	Not available.
	SureSelect QXT P5 i20	Not available.
	100 mM dNTP Mix (25 mM	Not available.
	each dNTP)	Not available
	5X Herculase II Reaction	Not available.
	Buffer	
	MSO	Odourless. [Slight]
	SureSelect QXT Enzyme	Not available.
	Mix ILM	
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA	Not available.
	Polymerase SureSelect QXT Index Read	Not available
	Primer	Not available.
	SureSelect QXT Read	Not available.
	Primer 1	NOL available.
	SureSelect QXT Read	Not available.
	Primer 2	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 P7 i9	Not available.
	SureSelect QXT P7 i10	Not available.
	SureSelect QXT P7 i11	Not available.
	SureSelect QXT P7 i12	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT P5 i15	Not available.
	SureSelect QXT P5 i16	Not available.
	SureSelect QXT P5 i17 SureSelect QXT P5 i18	Not available. Not available.
	SureSelect QXT P5 i19	Not available.
	SureSelect QXT P5 i20	Not available.
	100 mM dNTP Mix (25 mM	Not available.
	each dNTP)	rtot avallabio.
	5X Herculase II Reaction	Not available.
	Buffer	rtot a vanabio.
	<b>M</b> SO	Not available.
•	SureSelect QXT Enzyme	Not available.
	Mix ILM	i tot a valiable.
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA	Not available.
	Polymerase	
	-	

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 54/83

SureSelect QXT Index Read Not available.

## Section 9. Physical and chemical properties

<u></u>	
Primer SureSelect QXT Read Primer 1	Not available.
SureSelect QXT Read	Not available.
Primer 2 SureSelect QXT P7 i1	Not available
SureSelect QXT P7 i2	Not available. Not available.
SureSelect QXT P7 i3	Not available.
SureSelect QXT P7 i3	
SureSelect QXT P7 i5	Not available. Not available.
SureSelect QXT P7 i6	Not available.
SureSelect QXT P7 i7	Not available.
SureSelect QXT P7 i8	Not available.
SureSelect QXT P7 i9	Not available.
SureSelect QXT P7 i10	Not available.
SureSelect QXT P7 i11	Not available.
SureSelect QXT P7 i12	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT P5 i15	Not available.
SureSelect QXT P5 i16	Not available.
SureSelect QXT P5 i17	Not available.
SureSelect QXT P5 i18	Not available.
SureSelect QXT P5 i19	Not available.
SureSelect QXT P5 i20	Not available.
100 mM dNTP Mix (25 mM	Not available.
each dNTP) 5X Herculase II Reaction	Not available.
Buffer	Not available.
™SO	Not available.
SureSelect QXT Enzyme	7.9
Mix ILM	-
SureSelect QXT Buffer	7.5
Herculase II Fusion DNA	7.7 to 8.7
Polymerase SureSelect QXT Index Read	7
Primer	,
SureSelect QXT Read	7
Primer 1	7
SureSelect QXT Read Primer 2	7
SureSelect QXT P7 i1	7
SureSelect QXT P7 i2	7
SureSelect QXT P7 i3	7
SureSelect QXT P7 i4	7
SureSelect QXT P7 i5	7
SureSelect QXT P7 i6	7
SureSelect QXT P7 i7	7
SureSelect QXT P7 i8 SureSelect QXT P7 i9	7 7
SureSelect QXT P7 i10	7
SureSelect QXT P7 i11	7
SureSelect QXT P7 i12	7
SureSelect QXT P5 i13	7
SureSelect QXT P5 i14	7
SureSelect QXT P5 i15	7
SureSelect QXT P5 i16	7
SureSelect QXT P5 i17	7
SureSelect QXT P5 i18	7
SureSelect QXT P5 i19	7
SureSelect QXT P5 i20 100 mM dNTP Mix (25 mM	7 7.5
each dNTP)	1.0

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Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 55/83

each dNTP)

### Section 9. Physical and chemical properties

Section 9. Physical	and chemical prop	perties
	5X Herculase II Reaction	9.5 to 10.5
	Buffer	
Melting point :	MSO	18.5°C (65.3°F)
morning point	SureSelect QXT Enzyme	Not available.
	Mix ILM	rtot avallable.
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA	Not available.
	Polymerase	rtot avallable.
	SureSelect QXT Index Read	0°C (32°F)
	Primer	( )
	SureSelect QXT Read	0°C (32°F)
	Primer 1	- (- )
	SureSelect QXT Read	0°C (32°F)
	Primer 2	, ,
	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 P7 i9	0°C (32°F)
	SureSelect QXT P7 i10	0°C (32°F)
	SureSelect QXT P7 i11	0°C (32°F)
	SureSelect QXT P7 i12	0°C (32°F)
	SureSelect QXT P5 i13	0°C (32°F)
	SureSelect QXT P5 i14	0°C (32°F)
	SureSelect QXT P5 i15	0°C (32°F)
	SureSelect QXT P5 i16	0°C (32°F)
	SureSelect QXT P5 i17	0°C (32°F)
	SureSelect QXT P5 i18	0°C (32°F)
	SureSelect QXT P5 i19	0°C (32°F)
	SureSelect QXT P5 i20	0°C (32°F)
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	5X Herculase II Reaction	Not available.
	Buffer	
Boiling point :	MSO	189°C (372.2°F)
	SureSelect QXT Enzyme	Not available.
	Mix ILM	
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA	Not available.
	Polymerase	
	SureSelect QXT Index Read	100°C (212°F)
	Primer	
	SureSelect QXT Read	100°C (212°F)
	Primer 1	
	SureSelect QXT Read	100°C (212°F)
	Primer 2	40000 (0400E)
	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)
	SureSelect QXT P7 i7	100°C (212°F)
	SureSelect QXT P7 i8	100°C (212°F) 100°C (212°F)
	SureSelect QXT P7 i9 SureSelect QXT P7 i10	100 C (212 F) 100°C (212°F)
	SureSelect QXT P7 110 SureSelect QXT P7 i11	100°C (212°F)
	SureSelect QXT P7 111 SureSelect QXT P7 i12	100°C (212°F)
	SureSelect QXT P7 112 SureSelect QXT P5 i13	100°C (212°F)

Date of issue/Date of revision : 22/05/2018 : 29/08/2016 56/83 Date of previous issue Version :3

100°C (212°F)

## Section 9. Physical and chemical properties

	• •	
	SureSelect QXT P5 i14	100°C (212°F)
	SureSelect QXT P5 i15	100°C (212°F)
		100°C (212°F)
	SureSelect QXT P5 i16	
	SureSelect QXT P5 i17	100°C (212°F)
	SureSelect QXT P5 i18	100°C (212°F)
	SureSelect QXT P5 i19	100°C (212°F)
	SureSelect QXT P5 i20	100°C (212°F)
	100 mM dNTP Mix (25 mM	Not available.
	each dNTP)	rtot avanasio.
	5X Herculase II Reaction	Neteralelle
		Not available.
	Buffer	
Flash point :	™SO	Closed cup: 87°C (188.6°F)
		Open cup: 87°C (188.6°F)
	SureSelect QXT Enzyme	Not available.
		Not available.
	Mix ILM	
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA	Not available.
	Polymerase	
	SureSelect QXT Index Read	Not available.
	Primer	
	SureSelect QXT Read	Not available.
		NOL available.
	Primer 1	
	SureSelect QXT Read	Not available.
	Primer 2	
	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 P7 i9	Not available.
	SureSelect QXT P7 i10	Not available.
	SureSelect QXT P7 i11	Not available.
	SureSelect QXT P7 i12	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT P5 i15	Not available.
	SureSelect QXT P5 i16	Not available.
	SureSelect QXT P5 i17	Not available.
	SureSelect QXT P5 i18	Not available.
	SureSelect QXT P5 i19	Not available.
	SureSelect QXT P5 i20	Not available.
	100 mM dNTP Mix (25 mM	Not available.
		Not available.
	each dNTP)	A
	5X Herculase II Reaction	Not available.
	Buffer	
<b>Evaporation rate</b> :	MSO	0.026 (butyl acetate = 1)
_ raporation rate	SureSelect QXT Enzyme	Not available.
		Not available.
	Mix ILM	N. (
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA	Not available.
	Polymerase	
	SureSelect QXT Index Read	Not available.
	Primer	
	SureSelect QXT Read	Not available.
	Primer 1	. Tot available.
		Not available
	SureSelect QXT Read	Not available.
	Primer 2	
	SureSelect QXT P7 i1	Not available.
	SureSelect QXT P7 i2	Not available.
	SureSelect QXT P7 i3	Not available.

Date of issue/Date of revision : 22/05/2018 : 29/08/2016 Version :3 57/83 Date of previous issue

Flammability (solid, gas)

## Section 9. Physical and chemical properties

and cnemical prop	perties
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 P7 i9	Not available.
SureSelect QXT P7 i10	Not available.
SureSelect QXT P7 i11	Not available.
SureSelect QXT P7 i12	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT P5 i15	Not available.
SureSelect QXT P5 i16	Not available.
SureSelect QXT P5 i17	Not available.
SureSelect QXT P5 i18	Not available.
SureSelect QXT P5 i19	Not available.
SureSelect QXT P5 i20	Not available.
100 mM dNTP Mix (25 mM	Not available.
each dNTP)	
5X Herculase II Reaction	Not available.
Buffer	
MSO	Not applicable.
SureSelect QXT Enzyme	Not applicable.
Mix ILM	
SureSelect QXT Buffer	Not applicable.
Herculase II Fusion DNA	Not applicable.
Polymerase	
SureSelect QXT Index Read	Not applicable.
Primer	
SureSelect QXT Read	Not applicable.
Primer 1	• •
SureSelect QXT Read	Not applicable.
Primer 2	• •
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 P7 i9	Not applicable.
SureSelect QXT P7 i10	Not applicable.
SureSelect QXT P7 i11	Not applicable.
SureSelect QXT P7 i12	Not applicable.
SureSelect QXT P5 i13	Not applicable.
SureSelect QXT P5 i14	Not applicable.
SureSelect QXT P5 i15	Not applicable.
SureSelect QXT P5 i16	Not applicable.
SureSelect QXT P5 i17	Not applicable.
SureSelect QXT P5 i18	Not applicable.
SureSelect QXT P5 i19	Not applicable.
SureSelect QXT P5 i20	Not applicable.
100 mM dNTP Mix (25 mM	Not applicable.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 58/83

Not applicable.

each dNTP)

Buffer

5X Herculase II Reaction

### Section 9. Physical and chemical properties

Lower	and	upper	explosive
(flamm	able	) limits	8

Upper: 28.5% SureSelect QXT Enzyme Not available. Mix ILM SureSelect QXT Buffer Not available. Herculase II Fusion DNA Not available. Polymerase SureSelect QXT Index Read Not available. Primer SureSelect QXT Read Not available. Primer 1 SureSelect QXT Read Not available. Primer 2 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. Not available. SureSelect QXT P7 i8 Not available. SureSelect QXT P7 i9 SureSelect QXT P7 i10 Not available. SureSelect QXT P7 i11 Not available. SureSelect QXT P7 i12 Not available. Not available. SureSelect QXT P5 i13 Not available. SureSelect QXT P5 i14 Not available. SureSelect QXT P5 i15 SureSelect QXT P5 i16 Not available. SureSelect QXT P5 i17 Not available. SureSelect QXT P5 i18 Not available. SureSelect QXT P5 i19 Not available. SureSelect QXT P5 i20 Not available. 100 mM dNTP Mix (25 mM Not available. each dNTP) 5X Herculase II Reaction Not available. Buffer

#### Vapour pressure

MSO	0.056 kPa (0.42 mm Hg) [room temperature]
SureSelect QXT Enzyme	Not available.
Mix ILM	
SureSelect QXT Buffer	Not available.
Herculase II Fusion DNA	Not available.
Polymerase	
SureSelect QXT Index Read	Not available.
Primer	Neterialele
SureSelect QXT Read	Not available.
Primer 1 SureSelect QXT Read	Not available.
Primer 2	NOL 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 P7 i9	Not available.
SureSelect QXT P7 i10	Not available.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 59/83

Not available.

Not available.

Not available.

Not available.

SureSelect QXT P7 i11

SureSelect QXT P7 i12

SureSelect QXT P5 i13

SureSelect QXT P5 i14

## Section 9. Physical and chemical properties

	SureSelect QXT P5 i15	Not available.
	SureSelect QXT P5 i16	Not available.
	SureSelect QXT P5 i17	Not available.
	SureSelect QXT P5 i18	Not available.
	SureSelect QXT P5 i19	Not available.
	SureSelect QXT P5 i20	Not available.
	100 mM dNTP Mix (25 mM	Not available.
	each dNTP)	
	5X Herculase II Reaction Buffer	Not available.
Vapour density :	MSO	2.7 [Air = 1]
· · · · · · · · · · · · · · · · · · ·	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Index Read Primer	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	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 P7 i9	Not available.
	SureSelect QXT P7 i10	Not available.
	SureSelect QXT P7 i11	Not available.
	SureSelect QXT P7 i12	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT P5 i15	Not available.
	SureSelect QXT P5 i16	Not available.
	SureSelect QXT P5 i17	Not available.
	SureSelect QXT P5 i18	Not available.
	SureSelect QXT P5 i19	Not available.
	SureSelect QXT P5 i20	Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	5X Herculase II Reaction Buffer	Not available.
Relative density :	MSO	1.1
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer Herculase II Fusion DNA	Not available. Not available.
	Polymerase SureSelect QXT Index Read Primer	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	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.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 60/83

**Solubility** 

## Section 9. Physical and chemical properties

and chemical properties		
SureSelect QXT P7 i6	Not available.	
SureSelect QXT P7 i7	Not available.	
SureSelect QXT P7 i8	Not available.	
SureSelect QXT P7 i9	Not available.	
SureSelect QXT P7 i10	Not available.	
SureSelect QXT P7 i11	Not available.	
SureSelect QXT P7 i12	Not available.	
SureSelect QXT P5 i13	Not available.	
SureSelect QXT P5 i14	Not available.	
SureSelect QXT P5 i15	Not available.	
SureSelect QXT P5 i16	Not available.	
SureSelect QXT P5 i17	Not available.	
SureSelect QXT P5 i18	Not available.	
SureSelect QXT P5 i19	Not available.	
SureSelect QXT P5 i20	Not available.	
100 mM dNTP Mix (25 mM	Not available.	
each dNTP)	Not available.	
5X Herculase II Reaction	Not available.	
Buffer	NOL available.	
ØMSO	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT Enzyme	Soluble in the following materials: cold water and hot	
Mix ILM	water.	
SureSelect QXT Buffer	Soluble in the following materials: cold water and hot	
	water.	
Herculase II Fusion DNA	Soluble in the following materials: cold water and hot	
Polymerase	water.	
SureSelect QXT Index Read	Easily soluble in the following materials: cold water	
Primer	and hot water.	
SureSelect QXT Read	Easily soluble in the following materials: cold water	
Primer 1	and hot water.	
SureSelect QXT Read	Easily soluble in the following materials: cold water	
Primer 2	and hot water.	
SureSelect QXT P7 i1	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i2	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i3	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i4	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i5	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i6	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i7	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i8	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i9	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i10	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i11	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P7 i12	Easily soluble in the following materials: cold water	
54.555.65t QXI 1 7 112	and hot water.	
SureSelect QXT P5 i13	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P5 i14	Easily soluble in the following materials: cold water	
	and hot water.	
SureSelect QXT P5 i15	Easily soluble in the following materials: cold water	

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 61/83

and hot water.

# Section 9. Physical and chemical properties

Scotion 5. 1 mysical	and chemical prop	
	SureSelect QXT P5 i16	Easily soluble in the following materials: cold water and hot water.
	SureSelect QXT P5 i17	Easily soluble in the following materials: cold water and hot water.
	SureSelect QXT P5 i18	Easily soluble in the following materials: cold water and hot water.
	SureSelect QXT P5 i19	Easily soluble in the following materials: cold water and hot water.
	SureSelect QXT P5 i20	Easily soluble in the following materials: cold water and hot water.
	100 mM dNTP Mix (25 mM	Easily soluble in the following materials: cold water
	each dNTP) 5X Herculase II Reaction	and hot water. Easily soluble in the following materials: cold water
	Buffer	and hot water.
Partition coefficient: n- :	™SO	-1.35
octanol/water	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Index Read Primer	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	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 SureSelect QXT P7 i7	Not available.
	SureSelect QXT P7 i8	Not available. Not available.
	SureSelect QXT P7 i9	Not available.
	SureSelect QXT P7 i10	Not available.
	SureSelect QXT P7 i11	Not available.
	SureSelect QXT P7 i12	Not available.
	SureSelect QXT P5 i13	Not available.
	SureSelect QXT P5 i14	Not available.
	SureSelect QXT P5 i15	Not available.
	SureSelect QXT P5 i16	Not available.
	SureSelect QXT P5 i17	Not available.
	SureSelect QXT P5 i18	Not available.
	SureSelect QXT P5 i19 SureSelect QXT P5 i20	Not available. Not available.
	100 mM dNTP Mix (25 mM each dNTP)	Not available.
	5X Herculase II Reaction Buffer	Not available.
<b>Auto-ignition temperature</b> :	MSO	300 to 302°C (572 to 575.6°F)
	SureSelect QXT Enzyme Mix ILM	Not available.
	SureSelect QXT Buffer	Not available.
	Herculase II Fusion DNA Polymerase	Not available.
	SureSelect QXT Index Read Primer	Not available.
	SureSelect QXT Read Primer 1	Not available.
	SureSelect QXT Read Primer 2	Not available.
	SureSelect QXT P7 i1	Not available.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 62/83

**Decomposition temperature**:

## Section 9. Physical and chemical properties

and onomious prop	7011100
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 P7 i9	Not available.
SureSelect QXT P7 i10	Not available.
SureSelect QXT P7 i11	Not available.
SureSelect QXT P7 i12	Not available.
SureSelect QXT P5 i13	Not available.
SureSelect QXT P5 i14	Not available.
SureSelect QXT P5 i15	Not available.
SureSelect QXT P5 i16	Not available.
SureSelect QXT P5 i17	Not available.
SureSelect QXT P5 i18	Not available.
SureSelect QXT P5 i19	Not available.
SureSelect QXT P5 i20	Not available.
100 mM dNTP Mix (25 mM	Not available.
each dNTP)	
5X Herculase II Reaction	Not available.
Buffer	
™SO	140 to 189°C (284 to 372.2°F)
SureSelect QXT Enzyme	Not available.
Mix ILM	
SureSelect QXT Buffer	Not available.
Herculase II Fusion DNA	Not available.
Polymerase	
SureSelect QXT Index Read	Not available.
Primer	
SureSelect QXT Read	Not available.
Primer 1	
SureSelect QXT Read	Not available.
Primer 2	N. ( ) 111
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 SureSelect QXT P7 i8	Not available.
	Not available.
SureSelect QXT P7 i9	Not available.
SureSelect QXT P7 i10	Not available.
SureSelect QXT P7 i11	Not available.
SureSelect QXT P7 i12 SureSelect QXT P5 i13	Not available.
	Not available.
SureSelect QXT P5 i14 SureSelect QXT P5 i15	Not available. Not available.
SureSelect QXT P5 i16	Not available.
SureSelect QXT P5 116 SureSelect QXT P5 i17	Not available.
SureSelect QXT P5 i17 SureSelect QXT P5 i18	Not available.
SureSelect QXT P5 i18 SureSelect QXT P5 i19	Not available.
SureSelect QXT P5 i19 SureSelect QXT P5 i20	Not available.
100 mM dNTP Mix (25 mM	Not available.
each dNTD)	NOL AVAIIADIC.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 63/83

Not available.

each dNTP)

Buffer

5X Herculase II Reaction

### Section 9. Physical and chemical properties

**Viscosity** 

: MSO Dynamic (room temperature): 2.14 mPa·s (2.14 cP) SureSelect QXT Enzyme Not available. Mix ILM SureSelect QXT Buffer Not available. Herculase II Fusion DNA Not available. Polymerase SureSelect QXT Index Read Not available. Primer SureSelect QXT Read Not available. Primer 1 SureSelect QXT Read Not available. Primer 2 SureSelect QXT P7 i1 Not available. SureSelect QXT P7 i2 Not available. Not available. SureSelect QXT P7 i3 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 P7 i9 Not available. SureSelect QXT P7 i10 Not available. Not available. SureSelect QXT P7 i11 Not available. SureSelect QXT P7 i12 SureSelect QXT P5 i13 Not available. SureSelect QXT P5 i14 Not available. SureSelect QXT P5 i15 Not available. SureSelect QXT P5 i16 Not available. SureSelect QXT P5 i17 Not available. SureSelect QXT P5 i18 Not available. Not available. SureSelect QXT P5 i19 SureSelect QXT P5 i20 Not available. 100 mM dNTP Mix (25 mM Not available. each dNTP) 5X Herculase II Reaction Not available.

### Section 10. Stability and reactivity

Reactivity

**™**SO

Buffer

No specific test data related to reactivity available for this product or its ingredients.

SureSelect QXT Enzyme

No specific test data related to reactivity available for

Mix ILM SureSelect QXT Buffer this product or its ingredients.

ureSelect QXT Buffer No specific test data related to reactivity available for

Herculase II Fusion DNA Polymerase

this product or its ingredients.

No specific test data related to reactivity available for

SureSelect QXT Index Read

this product or its ingredients.

Primer Primer

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

SureSelect QXT Read

this product or its ingredients.

No specific test data related to reactivity available for

Primer 2

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

SureSelect QXT P7 i4

this product or its ingredients.

No specific test data related to reactivity available for

SureSelect QXT P7 i5

this product or its ingredients.

No specific test data related to reactivity available for

this product or its ingredients.

SureSelect QXT P7 i6 No specific test data related to reactivity available for

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 64/83

	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 P7 i9	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P7 i10	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P7 i11	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P7 i12	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 P5 i15	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P5 i16	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P5 i17	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P5 i18	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P5 i19	No specific test data related to reactivity available for
	this product or its ingredients.
SureSelect QXT P5 i20	No specific test data related to reactivity available for
400 14 11/75 14: 405 14	this product or its ingredients.
100 mM dNTP Mix (25 mM	No specific test data related to reactivity available for
each dNTP)	this product or its ingredients.
5X Herculase II Reaction	No specific test data related to reactivity available for
Buffer	this product or its ingredients.

### **Chemical stability**

MSO	The product is stable.
SureSelect QXT Enzyme	The product is stable.
Mix ILM	·
SureSelect QXT Buffer	The product is stable.
Herculase II Fusion DNA	The product is stable.
Polymerase	
SureSelect QXT Index Read	The product is stable.
Primer	
SureSelect QXT Read	The product is stable.
Primer 1	
SureSelect QXT Read	The product is stable.
Primer 2	
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 P7 i9	The product is stable.
SureSelect QXT P7 i10	The product is stable.
SureSelect QXT P7 i11	The product is stable.
SureSelect QXT P7 i12	The product is stable.
SureSelect QXT P5 i13	The product is stable.
SureSelect QXT P5 i14	The product is stable.
SureSelect QXT P5 i15	The product is stable.
SureSelect QXT P5 i16	The product is stable.
SureSelect QXT P5 i17	The product is stable.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 65/83

SureSelect QXT P5 i18 SureSelect QXT P5 i19 SureSelect QXT P5 i20 100 mM dNTP Mix (25 mM each dNTP) 5X Herculase II Reaction Buffer

The product is stable. The product is stable. The product is stable. The product is stable.

The product is stable.

#### Possibility of hazardous reactions

: MSO

SureSelect QXT Enzyme Mix ILM

SureSelect QXT Buffer

Herculase II Fusion DNA Polymerase

SureSelect QXT Index Read

Primer SureSelect QXT Read

Primer 1

SureSelect QXT Read

Primer 2

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 P7 i9

SureSelect QXT P7 i10

SureSelect QXT P7 i11

SureSelect QXT P7 i12

SureSelect QXT P5 i13

SureSelect QXT P5 i14

SureSelect QXT P5 i15

SureSelect QXT P5 i16

SureSelect QXT P5 i17

SureSelect QXT P5 i18

SureSelect QXT P5 i19

SureSelect QXT P5 i20

100 mM dNTP Mix (25 mM

Under normal conditions of storage and use,

hazardous reactions will not occur.

Under normal conditions of storage and use,

hazardous reactions will not occur.

Under normal conditions of storage and use,

hazardous reactions will not occur.

Under normal conditions of storage and use,

hazardous reactions will not occur.

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hazardous reactions will not occur.

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Under normal conditions of storage and use,

hazardous reactions will not occur.

Under normal conditions of storage and use,

hazardous reactions will not occur.

Under normal conditions of storage and use,

hazardous reactions will not occur.

Under normal conditions of storage and use,

: 22/05/2018 : 29/08/2016 66/83 Date of issue/Date of revision Date of previous issue Version:3

each dNTP)

5X Herculase II Reaction

Buffer

hazardous reactions will not occur.

Under normal conditions of storage and use,

hazardous reactions will not occur.

#### **Conditions to avoid**

**MSO** 

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

areas.

SureSelect QXT Enzyme

Mix ILM

SureSelect QXT Buffer Herculase II Fusion DNA

Polymerase

SureSelect QXT Index Read

Primer

SureSelect QXT Read Primer 1

SureSelect QXT Read Primer 2

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 P7 i9 SureSelect QXT P7 i10 SureSelect QXT P7 i11 SureSelect QXT P7 i12 SureSelect QXT P5 i13

SureSelect QXT P5 i14 SureSelect QXT P5 i15 SureSelect QXT P5 i16 SureSelect QXT P5 i17 SureSelect QXT P5 i18 SureSelect QXT P5 i19

100 mM dNTP Mix (25 mM each dNTP)

5X Herculase II Reaction

SureSelect QXT P5 i20

Buffer

No specific data.

No specific data. No specific data.

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

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

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

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

No specific data.

#### Incompatible materials

: MSO

SureSelect QXT Enzyme

Mix ILM

SureSelect QXT Buffer Herculase II Fusion DNA Polymerase

SureSelect QXT Index Read Primer

SureSelect QXT Read Primer 1

SureSelect QXT Read

Primer 2

SureSelect QXT P7 i1 SureSelect QXT P7 i2 SureSelect QXT P7 i3 SureSelect QXT P7 i4 SureSelect QXT P7 i5 Reactive or incompatible with the following materials: oxidizing materials

May react or be incompatible with oxidising materials.

May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.

May react or be incompatible with oxidising materials.

May react or be incompatible with oxidising materials.

May react or be incompatible with oxidising materials.

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: 22/05/2018 : 29/08/2016 Version :3 67/83 Date of issue/Date of revision Date of previous issue

**Hazardous decomposition** 

products

Box 2-96 Reactions, Part Number 5500-0121				
and reactivity				
SureSelect QXT P7 i6	May react or be incompatible with oxidising materials.			
SureSelect QXT P7 i7	May react or be incompatible with oxidising materials.			
SureSelect QXT P7 i8	May react or be incompatible with oxidising materials.			
SureSelect QXT P7 i9	May react or be incompatible with oxidising materials.			
SureSelect QXT P7 i10	May react or be incompatible with oxidising materials.			
SureSelect QXT P7 i11	May react or be incompatible with oxidising materials.			
SureSelect QXT P7 i12	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i13	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i14	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i15	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i16	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i17	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i18	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i19	May react or be incompatible with oxidising materials.			
SureSelect QXT P5 i20	May react or be incompatible with oxidising materials.			
100 mM dNTP Mix (25 mM	May react or be incompatible with oxidising materials.			
each dNTP)	may react or to meempation man ortale ng materiale.			
5X Herculase II Reaction	May react or be incompatible with oxidising materials.			
Buffer	may rough and most repaired that containing materials.			
MSO	Under normal conditions of storage and use,			
	hazardous decomposition products should not be			
	produced.			
SureSelect QXT Enzyme	Under normal conditions of storage and use,			
Mix ILM	hazardous decomposition products should not be			
IVIIA ILIVI	produced.			
SureSelect QXT Buffer	Under normal conditions of storage and use,			
ourcocicot QXT Bullet	hazardous decomposition products should not be			
	produced.			
Herculase II Fusion DNA	Under normal conditions of storage and use,			
Polymerase	hazardous decomposition products should not be			
1 diyillelase	produced.			
SureSelect QXT Index Read	Under normal conditions of storage and use,			
Primer	hazardous decomposition products should not be			
Time	produced.			
SureSelect QXT Read	•			
Primer 1	Under normal conditions of storage and use, hazardous decomposition products should not be			
Filliter	produced.			
SureSelect QXT Read	Under normal conditions of storage and use,			
Primer 2	hazardous decomposition products should not be			
Fillilei 2	produced.			
SureSelect QXT P7 i1	•			
Sureselect QXT F7 T1	Under normal conditions of storage and use, hazardous decomposition products should not be			
	produced.			
Cure Coloct OVT D7 i2	•			
SureSelect QXT P7 i2	Under normal conditions of storage and use,			
	hazardous decomposition products should not be			
Sura Salaat AVT D7 i2	produced.			
SureSelect QXT P7 i3	Under normal conditions of storage and use,			
	hazardous decomposition products should not be			
Surgeologt OVT D7:4	produced.			
SureSelect QXT P7 i4	Under normal conditions of storage and use,			

Under normal conditions of storage and use, hazardous decomposition products should not be

Under normal conditions of storage and use, hazardous decomposition products should not be

SureSelect QXT P7 i6

SureSelect QXT P7 i6

SureSelect QXT P7 i7

SureSelect QXT P7 i7

SureSelect QXT P7 i8

SureSelect QXT P7 i8

SureSelect QXT P7 i8

produced.

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Under normal conditions of storage and use,

SureSelect QXT P7 i5

produced.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 68/83

-	
	hazardous decomposition products should not be produced.
SureSelect QXT P7 i9	Under normal conditions of storage and use,
	hazardous decomposition products should not be
Sura Calant OVT D7 i10	produced.
SureSelect QXT P7 i10	Under normal conditions of storage and use, hazardous decomposition products should not be
	produced.
SureSelect QXT P7 i11	Under normal conditions of storage and use,
	hazardous decomposition products should not be
Cura Calant OVT D7 i12	produced.
SureSelect QXT P7 i12	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
SureSelect QXT P5 i14	produced. Under normal conditions of storage and use,
Sureselect QXT F5114	hazardous decomposition products should not be
	produced.
SureSelect QXT P5 i15	Under normal conditions of storage and use,
	hazardous decomposition products should not be
SureSelect QXT P5 i16	produced. Under normal conditions of storage and use,
Cureociest QXTT 5110	hazardous decomposition products should not be
	produced.
SureSelect QXT P5 i17	Under normal conditions of storage and use,
	hazardous decomposition products should not be produced.
SureSelect QXT P5 i18	Under normal conditions of storage and use,
	hazardous decomposition products should not be
	produced.
SureSelect QXT P5 i19	Under normal conditions of storage and use,
	hazardous decomposition products should not be produced.
SureSelect QXT P5 i20	Under normal conditions of storage and use,
	hazardous decomposition products should not be
400 mM dNITD Min (05 mM	produced.
100 mM dNTP Mix (25 mM each dNTP)	Under normal conditions of storage and use, hazardous decomposition products should not be
Gacii divir )	produced.
5X Herculase II Reaction	Under normal conditions of storage and use,
Buffer	hazardous decomposition products should not be
	produced.

## Section 11. Toxicological information

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	-
SureSelect QXT Enzyme Mix ILM Glycerol	LD50 Oral	Rat	12600 mg/kg	-
SureSelect QXT Buffer Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Herculase II Fusion DNA				

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 69/83

SureSelect QXT Library Prep Kit -ILM-Box 2-96 Reactions, Part Number 5500-0121

## **Section 11. Toxicological information**

Polymerase Glycerol	LD50 Oral	Rat	12600 mg/kg	-
5X Herculase II Reaction Buffer				
Ammonium sulphate	LD50 Oral	Rat	2840 mg/kg	-

#### **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>M</b> SO					
Dimethyl sulfoxide	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	Francis Milal inside at	Date is it		milligrams	
	Eyes - Mild irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	_	24 hours 500	_
	Okin Wild Interne	rabbit		milligrams	
	Skin - Mild irritant	Rabbit	-	100	-
				milligrams	
SureSelect QXT Enzyme					
Mix ILM					
Glycerol	Eyes - Mild irritant	Rabbit	_	24 hours 500	_
_				milligrams	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				milligrams	
SureSelect QXT Buffer					
Glycerol	Eyes - Mild irritant	Rabbit	_	24 hours 500	_
				milligrams	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				milligrams	
Herculase II Fusion DNA					
Polymerase					
Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500	-
	OL: NATION OF	B		milligrams	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				milligrams	

#### **Sensitisation**

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)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Not available.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 70/83

Information on likely routes of exposure

: MSO Routes of entry anticipated: Oral, Dermal, Inhalation. SureSelect QXT Enzyme Routes of entry anticipated: Oral, Dermal, Inhalation. Mix ILM SureSelect QXT Buffer Routes of entry anticipated: Oral, Dermal, Inhalation. Herculase II Fusion DNA Routes of entry anticipated: Oral, Dermal, Inhalation. Polymerase SureSelect QXT Index Read Not available. Primer SureSelect QXT Read Not available. Primer 1 SureSelect QXT Read Not available. Primer 2 SureSelect QXT P7 i1 Not available. Not available. SureSelect QXT P7 i2 SureSelect QXT P7 i3 Not available. SureSelect QXT P7 i4 Not available. SureSelect QXT P7 i5 Not available. Not available. SureSelect QXT P7 i6 SureSelect QXT P7 i7 Not available. SureSelect QXT P7 i8 Not available. Not available. SureSelect QXT P7 i9 Not available. SureSelect QXT P7 i10 SureSelect QXT P7 i11 Not available. SureSelect QXT P7 i12 Not available. SureSelect QXT P5 i13 Not available. SureSelect QXT P5 i14 Not available. SureSelect QXT P5 i15 Not available. SureSelect QXT P5 i16 Not available. SureSelect QXT P5 i17 Not available. SureSelect QXT P5 i18 Not available. SureSelect QXT P5 i19 Not available.

each dNTP)
5X Herculase II Reaction
Buffer

100 mM dNTP Mix (25 mM

SureSelect QXT P5 i20

Routes of entry anticipated: Oral, Dermal, Inhalation.

## Potential acute health effects Eva contact

**Eye contact** 

**MSO** No known significant effects or critical hazards. SureSelect QXT Enzyme No known significant effects or critical hazards. Mix ILM SureSelect QXT Buffer No known significant effects or critical hazards. Herculase II Fusion DNA No known significant effects or critical hazards. Polymerase SureSelect QXT Index Read No known significant effects or critical hazards. Primer SureSelect QXT Read No known significant effects or critical hazards. Primer 1 SureSelect QXT Read No known significant effects or critical hazards. Primer 2 SureSelect QXT P7 i1 No known significant effects or critical hazards. SureSelect QXT P7 i2 No known significant effects or critical hazards. 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 SureSelect QXT P7 i7 No known significant effects or critical hazards. SureSelect QXT P7 i8 No known significant effects or critical hazards. SureSelect QXT P7 i9 No known significant effects or critical hazards. SureSelect QXT P7 i10 No known significant effects or critical hazards. SureSelect QXT P7 i11 No known significant effects or critical hazards. SureSelect QXT P7 i12 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.

Not available.

Not available.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 71/83

Inhalation

**Skin contact** 

ological information	
SureSelect QXT P5 i15	No known significant effects or critical hazards.
SureSelect QXT P5 i16	No known significant effects or critical hazards.
SureSelect QXT P5 i17	No known significant effects or critical hazards.
SureSelect QXT P5 i18	No known significant effects or critical hazards.
SureSelect QXT P5 i19	No known significant effects or critical hazards.
SureSelect QXT P5 i20	No known significant effects or critical hazards.
100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
each dNTP)	-
5X Herculase II Reaction	No known significant effects or critical hazards.
Buffer	
: ØMSO	No known significant effects or critical hazards.
SureSelect QXT Enzyme	No known significant effects or critical hazards.
Mix ILM	
SureSelect QXT Buffer	No known significant effects or critical hazards.
Herculase II Fusion DNA	No known significant effects or critical hazards.
Polymerase	ŭ
SureSelect QXT Index Read	No known significant effects or critical hazards.
Primer	ŭ
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 1	ŭ
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 2	ŭ
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 P7 i9	No known significant effects or critical hazards.
SureSelect QXT P7 i10	No known significant effects or critical hazards.
SureSelect QXT P7 i11	No known significant effects or critical hazards.
SureSelect QXT P7 i12	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 P5 i15	No known significant effects or critical hazards.
SureSelect QXT P5 i16	No known significant effects or critical hazards.
SureSelect QXT P5 i17	No known significant effects or critical hazards.
SureSelect QXT P5 i18	No known significant effects or critical hazards.
SureSelect QXT P5 i19	No known significant effects or critical hazards.
SureSelect QXT P5 i20	No known significant effects or critical hazards.
100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
5X Herculase II Reaction	No known significant effects or critical hazards.
Buffer	No known significant effects of childa hazards.
	No large and all and a first a
: MSO	No known significant effects or critical hazards.
SureSelect QXT Enzyme	No known significant effects or critical hazards.
Mix ILM	No known cignificant affects or critical beyonds
SureSelect QXT Buffer	No known significant effects or critical hazards.
Herculase II Fusion DNA	No known significant effects or critical hazards.
Polymerase SureSelect QXT Index Read	No known significant affects or critical hazards
Primer	No known significant effects or critical hazards.
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 1	No known significant effects of childa hazards.
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 2	THE KNOWN SIGNINGAIN CHECKS OF CHINCAI HAZAIUS.
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.
5415551501 Q/(11/10	1.0 momi organicant choose of children hazards.

Date of issue/Date of revision : 22/05/2018 : 29/08/2016 Version :3 72/83 Date of previous issue

SureSelect QXT P7 i6

## Section 11. Toxicological information

Ingestion

	SureSelect QXT P7 16								nazarus.
	SureSelect QXT P7 i7								hazards.
	SureSelect QXT P7 i8	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P7 i9	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P7 i10	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P7 i11								hazards.
	SureSelect QXT P7 i12								hazards.
	SureSelect QXT P5 i13								hazards.
	SureSelect QXT P5 i14								
									hazards.
	SureSelect QXT P5 i15								hazards.
	SureSelect QXT P5 i16								hazards.
	SureSelect QXT P5 i17			_					hazards.
	SureSelect QXT P5 i18	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P5 i19	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P5 i20	No	known	signi	ificant	effects	or	critical	hazards.
	100 mM dNTP Mix (25 mM								hazards.
	each dNTP)			0.9		000.0	•		
	5X Herculase II Reaction	Nο	known	eiani	ificant	offects	٥r	critical	hazards.
		NO	KIIOWII	Sigili	ilicarit	CHECIS	Oi	Cillicai	nazarus.
	Buffer								
:	™SO								hazards.
	SureSelect QXT Enzyme	No	known	signi	ificant	effects	or	critical	hazards.
	Mix ILM			_					
	SureSelect QXT Buffer	No	known	siani	ificant	effects	or	critical	hazards.
	Herculase II Fusion DNA								hazards.
	Polymerase			- 5					
	SureSelect QXT Index Read	Nο	known	siani	ificant	effects	٥r	critical	hazards.
	Primer			0.9	mount	0110010	01	ormour	nazarao.
	SureSelect QXT Read	Nο	known	eiani	ificant	offects	٥r	critical	hazards.
	Primer 1	140	KIIOWII	Sigin	incant	CITCOLO	Oi	Cittical	nazaras.
	SureSelect QXT Read	NIO	known	oiani	ificant	offooto	or	oritical	hozordo
		NO	KIIOWII	Sigili	ilicarit	CHECIS	OI	Cillicai	hazards.
	Primer 2	Nia	len aven	a:	:f: t	-ttt-	~ ~	a=:t:a=1	h a = a = d a
	SureSelect QXT P7 i1								hazards.
	SureSelect QXT P7 i2								hazards.
	SureSelect QXT P7 i3								hazards.
	SureSelect QXT P7 i4	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P7 i5	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P7 i6	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P7 i7								hazards.
	SureSelect QXT P7 i8								hazards.
	SureSelect QXT P7 i9								hazards.
	SureSelect QXT P7 i10								hazards.
	SureSelect QXT P7 i11								hazards.
				_					
	SureSelect QXT P7 i12								hazards.
	SureSelect QXT P5 i13								hazards.
	SureSelect QXT P5 i14			_					hazards.
	SureSelect QXT P5 i15			_					hazards.
	SureSelect QXT P5 i16	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P5 i17	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P5 i18	No	known	signi	ificant	effects	or	critical	hazards.
	SureSelect QXT P5 i19								hazards.
	SureSelect QXT P5 i20								hazards.
	100 mM dNTP Mix (25 mM								hazards.
	each dNTP)	0		۰۰.۳۰۱۱		33010	٥.	Silioui	
	5X Herculase II Reaction	Nο	known	siani	ificant	effects	٥r	critical	hazards.
	Buffer	140	KIIOWII	Jigili	moant	CHECIS	Ji	ornical	nazarus.
	Dullel								

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 73/83

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•	
MSO	No specific data.
SureSelect QXT Enzyme	No specific data.
Mix ILM	
SureSelect QXT Buffer	No specific data.
Herculase II Fusion DNA	No specific data.
Polymerase SureSelect QXT Index Read	No aposifio data
Primer	No specific data.
SureSelect QXT Read	No specific data.
Primer 1	No specific data.
SureSelect QXT Read	No specific data.
Primer 2	rio opoomo 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 P7 i9	No specific data.
SureSelect QXT P7 i10	No specific data.
SureSelect QXT P7 i11	No specific data.
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SureSelect QXT P5 i14	No specific data. No specific data.
SureSelect QXT P5 i15	No specific data.
SureSelect QXT P5 i16	No specific data.
SureSelect QXT P5 i17	No specific data.
SureSelect QXT P5 i18	No specific data.
SureSelect QXT P5 i19	No specific data.
SureSelect QXT P5 i20	No specific data.
100 mM dNTP Mix (25 mM	No specific data.
each dNTP)	'
5X Herculase II Reaction	No specific data.
Buffer	-
MSO	No specific data.
0 0 1 1075	ito opoonio data.

### Inhalation

MSO	No specific data.
SureSelect QXT Enzyme	No specific data.
Mix ILM	•
SureSelect QXT Buffer	No specific data.
Herculase II Fusion DNA	No specific data.
Polymerase	
SureSelect QXT Index Read	No specific data.
Primer	
SureSelect QXT Read	No specific data.
Primer 1	
SureSelect QXT Read	No specific data.
Primer 2	
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 P7 i9	No specific data.
SureSelect QXT P7 i10	No specific data.
SureSelect QXT P7 i11	No specific data.
SureSelect QXT P7 i12	No specific data.
SureSelect QXT P5 i13	No specific data.
SureSelect QXT P5 i14	No specific data.
SureSelect QXT P5 i15	No specific data.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 74/83

SureSelect QXT P5 i16

SureSelect QXT P5 i17

SureSelect QXT P5 i18

No specific data.

No specific data.

No specific data.

## Section 11. Toxicological information

	SureSelect QXT P5 i18	No specific data.
	SureSelect QXT P5 i19	No specific data.
	SureSelect QXT P5 i20	No specific data.
	100 mM dNTP Mix (25 mM	No specific data.
	each dNTP)	
	5X Herculase II Reaction	No specific data.
	Buffer	
Skin contact	: ØMSO	No specific data.
	SureSelect QXT Enzyme	No specific data.
	Mix ILM	
	SureSelect QXT Buffer	No specific data.
	Herculase II Fusion DNA	No specific data.
	Polymerase	
	SureSelect QXT Index Read	No specific data.
	Primer	
	SureSelect QXT Read	No specific data.
	Primer 1	
	SureSelect QXT Read	No specific data.
	Primer 2	
	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 P7 i9	No specific data.
	SureSelect QXT P7 i10	No specific data.
	SureSelect QXT P7 i11	No specific data.
	SureSelect QXT P7 i12	No specific data.
	SureSelect QXT P5 i13	No specific data.
	SureSelect QXT P5 i14	No specific data.
	SureSelect QXT P5 i15	No specific data.
	SureSelect QXT P5 i16	No specific data.
	SureSelect QXT P5 i17	No specific data.
	SureSelect QXT P5 i18	No specific data.
	SureSelect QXT P5 i19	
	SureSelect QXT P5 i20	No specific data.
		No specific data. No specific data.
	100 mM dNTP Mix (25 mM	ino specific data.
	each dNTP) 5X Herculase II Reaction	No aposifia data
	Buffer	No specific data.
Ingestion	: MSO	No specific data.
	SureSelect QXT Enzyme	No specific data.
	Mix ILM	
	SureSelect QXT Buffer	No specific data.
	Herculase II Fusion DNA	No specific data.
	Polymerase	
	SureSelect QXT Index Read	No specific data.
	Primer	
	SureSelect QXT Read	No specific data.
	Primer 1	
	SureSelect QXT Read	No specific data.
	Primer 2	
	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.
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Date of issue/Date of revision : 29/08/2016 75/83 Version :3

SureSelect QXT P7 i7 No specific data. SureSelect QXT P7 i8 No specific data. SureSelect QXT P7 i9 No specific data. SureSelect QXT P7 i10 No specific data. SureSelect QXT P7 i11 No specific data. SureSelect QXT P7 i12 No specific data. SureSelect QXT P5 i13 No specific data. SureSelect QXT P5 i14 No specific data. SureSelect QXT P5 i15 No specific data. SureSelect QXT P5 i16 No specific data. SureSelect QXT P5 i17 No specific data. SureSelect QXT P5 i18 No specific data. SureSelect QXT P5 i19 No specific data. SureSelect QXT P5 i20 No specific data. 100 mM dNTP Mix (25 mM No specific data. each dNTP)

5X Herculase II Reaction

Buffer

No specific data.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Short term exposure** 

**Potential immediate** 

effects

: Not available.

: Not available.

Potential delayed effects

Long term exposure

Potential immediate

Not available.

effects

Potential delayed effects Not available.

Potential chronic health effects

General

**MSO** No known significant effects or critical hazards.

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. Herculase II Fusion DNA

Polymerase

SureSelect QXT Index Read No known significant effects or critical hazards.

Primer

SureSelect QXT Read No known significant effects or critical hazards. Primer 1

SureSelect QXT Read No known significant effects or critical hazards.

Primer 2

SureSelect QXT P7 i1 No known significant effects or critical hazards. No known significant effects or critical hazards. SureSelect QXT P7 i2 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 P7 i9 No known significant effects or critical hazards. No known significant effects or critical hazards. SureSelect QXT P7 i10 SureSelect QXT P7 i11 No known significant effects or critical hazards. SureSelect QXT P7 i12 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 P5 i15 No known significant effects or critical hazards. SureSelect QXT P5 i16 No known significant effects or critical hazards.

76/83 Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version:3

SureSelect QXT P5 i17

SureSelect QXT P5 i18

SureSelect QXT P5 i19

	SureSelect QXT P5 i20 100 mM dNTP Mix (25 mM	No known significant effects or critical hazards. No known significant effects or critical hazards.
	each dNTP) 5X Herculase II Reaction	No known significant effects or critical hazards.
	Buffer	
Carcinogenicity:	MSO	No known significant effects or critical hazards.
	SureSelect QXT Enzyme Mix ILM	No known significant effects or critical hazards.
		No known significant affects or critical beyonds
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	Herculase II Fusion DNA	No known significant effects or critical hazards.
	Polymerase	
	SureSelect QXT Index Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read	No known significant effects or critical hazards.
	Primer 2 SureSelect QXT P7 i1	No known significant offeets or critical hazards
		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 P7 i9	No known significant effects or critical hazards.
	SureSelect QXT P7 i10	No known significant effects or critical hazards.
	SureSelect QXT P7 i11	No known significant effects or critical hazards.
	SureSelect QXT P7 i12	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 P5 i15	No known significant effects or critical hazards.
	SureSelect QXT P5 i16	No known significant effects or critical hazards.
	SureSelect QXT P5 i17	
		No known significant effects or critical hazards.
	SureSelect QXT P5 i18	No known significant effects or critical hazards.
	SureSelect QXT P5 i19	No known significant effects or critical hazards.
	SureSelect QXT P5 i20	No known significant effects or critical hazards.
	100 mM dNTP Mix (25 mM each dNTP)	No known significant effects or critical hazards.
	5X Herculase II Reaction Buffer	No known significant effects or critical hazards.
Mutagenicity :	MSO	No known significant effects or critical hazards.
indiagomony .	SureSelect QXT Enzyme	No known significant effects or critical hazards.
	Mix ILM	-
	SureSelect QXT Buffer	No known significant effects or critical hazards.
	Herculase II Fusion DNA Polymerase	No known significant effects or critical hazards.
	SureSelect QXT Index Read Primer	No known significant effects or critical hazards.
	SureSelect QXT Read Primer 1	No known significant effects or critical hazards.
	SureSelect QXT Read	No known significant effects or critical hazards.
	Primer 2 SureSelect OVT P7 i1	No known significant affects or critical begands
	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 P7 i9	No known significant effects or critical hazards.
	SuraSalact OXT P7 i10	No known significant effects or critical hazards

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 77/83

No known significant effects or critical hazards.

SureSelect QXT P7 i10

**Teratogenicity** 

**Developmental effects** 

ogical information	
SureSelect QXT P7 i11	No known significant effects or critical hazards.
SureSelect QXT P7 i12	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 P5 i15	No known significant effects or critical hazards.
SureSelect QXT P5 i16	No known significant effects or critical hazards.
SureSelect QXT P5 i17	No known significant effects or critical hazards.
SureSelect QXT P5 i18	No known significant effects or critical hazards.
SureSelect QXT P5 i19	No known significant effects or critical hazards.
SureSelect QXT P5 i20	No known significant effects or critical hazards.
100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
each dNTP)	The known digninount offeets of entiour nazarde.
5X Herculase II Reaction	No known significant effects or critical hazards.
Buffer	No known significant effects of childa hazards.
: MSO	No known significant effects or critical hazards.
SureSelect QXT Enzyme	No known significant effects or critical hazards.
Mix ILM	
SureSelect QXT Buffer	No known significant effects or critical hazards.
Herculase II Fusion DNA	No known significant effects or critical hazards.
Polymerase	
SureSelect QXT Index Read	No known significant effects or critical hazards.
Primer	
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 1	
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 2	
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 P7 i9	No known significant effects or critical hazards.
SureSelect QXT P7 i10	No known significant effects or critical hazards.
SureSelect QXT P7 i11	No known significant effects or critical hazards.
SureSelect QXT P7 i12	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 P5 i15	No known significant effects or critical hazards.
SureSelect QXT P5 i16	No known significant effects or critical hazards.
SureSelect QXT P5 i17	No known significant effects or critical hazards.
SureSelect QXT P5 i18	No known significant effects or critical hazards.
SureSelect QXT P5 i19	No known significant effects or critical hazards.
SureSelect QXT P5 i20	No known significant effects or critical hazards.
100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
each dNTP)	
5X Herculase II Reaction	No known significant effects or critical hazards.
Buffer	
™SO	No known significant effects or critical hazards.
SureSelect QXT Enzyme	No known significant effects or critical hazards.
Mix ILM	No known significant chects of childar hazards.
SureSelect QXT Buffer	No known significant effects or critical hazards.
Herculase II Fusion DNA	No known significant effects or critical hazards.
Polymerase	THO KNOWN SIGNMOUNT CHOOLS OF CHILDRI NAZARAS.
SureSelect QXT Index Read	No known significant effects or critical hazards.
Primer	or organization of orthodrinazards.
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 1	organically offolio of officer flezeres.
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 2	The first of the state of the s
SureSelect QXT P7 i1	No known significant effects or critical hazards.

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 78/83

•	
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 P7 i9	No known significant effects or critical hazards.
SureSelect QXT P7 i10	No known significant effects or critical hazards.
SureSelect QXT P7 i11	No known significant effects or critical hazards.
SureSelect QXT P7 i12	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 P5 i15	No known significant effects or critical hazards.
SureSelect QXT P5 i16	No known significant effects or critical hazards.
SureSelect QXT P5 i17	No known significant effects or critical hazards.
SureSelect QXT P5 i18	No known significant effects or critical hazards.
SureSelect QXT P5 i19	No known significant effects or critical hazards.
SureSelect QXT P5 i20	No known significant effects or critical hazards.
100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
each dNTP)	
5X Herculase II Reaction	No known significant effects or critical hazards.
Buffer	
MSO	No known significant effects or critical hazards.
SureSelect QXT Enzyme	No known significant effects or critical hazards.
Mix ILM	•
SureSelect QXT Buffer	No known significant effects or critical hazards.
Herculase II Fusion DNA	No known significant effects or critical hazards.
Polymerase	3
SureSelect QXT Index Read	No known significant effects or critical hazards.
Primer	•
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 1	-
SureSelect QXT Read	No known significant effects or critical hazards.
Primer 2	
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 P7 i9	No known significant effects or critical hazards.
SureSelect QXT P7 i10	No known significant effects or critical hazards.
SureSelect QXT P7 i11	No known significant effects or critical hazards.
SureSelect QXT P7 i12	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 P5 i15	No known significant effects or critical hazards.
SureSelect QXT P5 i16	No known significant effects or critical hazards.
SureSelect QXT P5 i17	No known significant effects or critical hazards.
SureSelect QXT P5 i18	No known significant effects or critical hazards.
SureSelect QXT P5 i19	No known significant effects or critical hazards.
SureSelect QXT P5 i20	No known significant effects or critical hazards.
100 mM dNTP Mix (25 mM	No known significant effects or critical hazards.
oach dNTP)	

No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

**Fertility effects** 

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 79/83

each dNTP)

Buffer

5X Herculase II Reaction

Not available.

## Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
<b>™</b> SO			
Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 34000000 μg/l Fresh water Chronic NOEC 100 ul/L Marine water	Fish - Pimephales promelas Algae - Ulva lactuca	96 hours 72 hours
SureSelect QXT Enzyme Mix ILM			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
SureSelect QXT Buffer			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Herculase II Fusion DNA Polymerase			
Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
5X Herculase II Reaction Buffer			
Ammonium sulphate	Acute LC50 2.6 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Young	48 hours
	Acute LC50 14000 µg/l Fresh water	Daphnia - Daphnia magna - Young	48 hours
	Acute LC50 68 μg/l Fresh water	Fish - Oncorhynchus gorbuscha - Alevin	96 hours
	Chronic NOEC 7.5 mg/l Marine water	Algae - Phaeodactylum tricornutum - Exponential growth phase	96 hours
	Chronic NOEC 143 µg/l Marine water	Fish - Salmo salar - Post-smolt	5 weeks

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
SureSelect QXT Enzyme Mix ILM				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
SureSelect QXT Buffer				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Herculase II Fusion DNA Polymerase				
Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 80/83

SureSelect QXT Library Prep Kit -ILM-Box 2-96 Reactions, Part Number 5500-0121

### Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
5X Herculase II Reaction Buffer			
Ammonium sulphate	_	-	Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>M</b> SO			
Dimethyl sulfoxide	-1.35	3.16	low
SureSelect QXT Enzyme			
Mix ILM			
Glycerol	-1.76	-	low
SureSelect QXT Buffer			
Glycerol	-1.76	-	low
Herculase II Fusion DNA			
Polymerase			
Glycerol	-1.76	-	low
5X Herculase II Reaction			
Buffer			
Ammonium sulphate	-5.1	_	low

#### **Mobility in soil**

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

### Section 13. Disposal considerations

**Disposal methods** 

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

### **Section 14. Transport information**

ADG / IMDG / IATA

: Not regulated as Dangerous Goods according to the ADG Code .

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

the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of Marpol and the IBC Code

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version:3 81/83

### Section 15. Regulatory information

#### **Standard Uniform Schedule of Medicine and Poisons**

6

#### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

#### International regulations

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

Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### **Stockholm Convention on Persistent Organic Pollutants**

Not listed.

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

Not listed.

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

Not listed.

#### **Inventory list**

Australia : Not determined.
Canada : Not determined.
China : Not determined.
Europe : Not determined.

Japan : Japan inventory (ENCS): Not determined.

Japan inventory (ISHL): Not determined.

Malaysia: Not determined.New Zealand: Not determined.Philippines: Not determined.Republic of Korea: Not determined.

Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : Not determined.

United States : Not determined.

Viet Nam : Not determined.

### Section 16. Any other relevant information

#### **History**

Date of issue/Date of

revision

: 22/05/2018

Date of previous issue : 29/08/2016

Version : 3

**Key to abbreviations** : ADG = Australian Dangerous Goods

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) NOHSC = National Occupational Health and Safety Commission

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 82/83

SureSelect QXT Library Prep Kit -ILM-Box 2-96 Reactions, Part Number 5500-0121

## **Section 16. Any other relevant information**

SUSMP = Standard Uniform Schedule of Medicine and Poisons UN = United Nations

#### Procedure used to derive the classification

Classification	Justification
<b>⊅MSO</b> Flam. Liq. 4, H227	On basis of test data
<b>5X Herculase II Reaction Buffer</b> Aquatic Acute 2, H401	Calculation method

References : Not available.

**▼** Indicates information that has changed from previously issued version.

#### **Notice to reader**

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

Date of issue/Date of revision : 22/05/2018 Date of previous issue : 29/08/2016 Version : 3 83/83