

SAFETY DATA SHEET



SideStep II QRT-PCR Master Mix Kit - 1-Step, Part Number 400917

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

1.1 Product identifier

Product name	: SideStep II QRT-PCR Master Mix Kit - 1-Step, Part Number 400917	
Part No. (Kit)	: 400917	
Part No.	: SideStep Lysis & Stabilization Buffer	400900-21
	: SideStep II Neutralization Buffer	400916-53
	: SideStep II DNase I	400916-51
	: SideStep II DNase Digestion Buffer	400916-52
	: QPCR Normalization Primers, Set 1	400916-54
	: QPCR Normalization Primers, Set 2	400916-55
	: QPCR Normalization Primers, Set 3	400916-56
	: 2X Brilliant II QRT-PCR Master Mix	600809-51
	: Reference Dye	600530-53
	: RT/RNase Block Enzyme Mixture	600809-52

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

Identified uses

Analytical reagent.	
SideStep Lysis & Stabilization Buffer	10 ml
SideStep II Neutralization Buffer	0.1 ml
SideStep II DNase I	0.05 ml (500 U 10 U/μl)
SideStep II DNase Digestion Buffer	0.1 ml
QPCR Normalization Primers, Set 1	0.0125 ml (45 μM 12.5 μl)
QPCR Normalization Primers, Set 2	0.0125 ml (30 μM 12.5 μl)
QPCR Normalization Primers, Set 3	0.0125 ml (45 μM 12.5 μl)
2X Brilliant II QRT-PCR Master Mix	2 x 2.5 ml
Reference Dye	0.1 ml (100 μl 1 mM)
RT/RNase Block Enzyme Mixture	0.4 ml

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

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

Date of issue/Date of revision : 22/01/2018

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	: SideStep Lysis & Stabilization Buffer	Mixture
	SideStep II Neutralization Buffer	Mixture
	SideStep II DNase I	Mixture
	SideStep II DNase Digestion Buffer	Mixture
	QPCR Normalization Primers, Set 1	Mixture
	QPCR Normalization Primers, Set 2	Mixture
	QPCR Normalization Primers, Set 3	Mixture
	2X Brilliant II QRT-PCR Master Mix	Mixture
	Reference Dye	Mixture
	RT/RNase Block	Mixture
	Enzyme Mixture	

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

SideStep Lysis & Stabilization Buffer

H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

Ingredients of unknown toxicity	: SideStep Lysis & Stabilization Buffer	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%
	SideStep II DNase I	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
	SideStep II DNase Digestion Buffer	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%
	2X Brilliant II QRT-PCR Master Mix	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30%
	Reference Dye	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%
	RT/RNase Block Enzyme Mixture	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
Ingredients of unknown ecotoxicity	: Reference Dye	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.4%

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

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

2.2 Label elements

Hazard pictograms : SideStep Lysis & Stabilization Buffer



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SECTION 2: Hazards identification

Signal word	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	Warning No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word. No signal word.
Hazard statements	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	H319 - Causes serious eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Precautionary statements		
Prevention	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	P280 - Wear eye or face protection. P264 - Wash hands thoroughly after handling. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

SideStep II QRT-PCR Master Mix Kit - 1-Step, Part Number 400917

SECTION 2: Hazards identification

Response	: SideStep Lysis & Stabilization Buffer	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	SideStep II Neutralization Buffer	Not applicable.
	SideStep II DNase I	Not applicable.
	SideStep II DNase Digestion Buffer	Not applicable.
	QPCR Normalization Primers, Set 1	Not applicable.
	QPCR Normalization Primers, Set 2	Not applicable.
	QPCR Normalization Primers, Set 3	Not applicable.
	2X Brilliant II QRT-PCR Master Mix	Not applicable.
	Reference Dye	Not applicable.
	RT/RNase Block	Not applicable.
	Enzyme Mixture	Not applicable.
Storage	: SideStep Lysis & Stabilization Buffer	Not applicable.
	SideStep II Neutralization Buffer	Not applicable.
	SideStep II DNase I	Not applicable.
	SideStep II DNase Digestion Buffer	Not applicable.
	QPCR Normalization Primers, Set 1	Not applicable.
	QPCR Normalization Primers, Set 2	Not applicable.
	QPCR Normalization Primers, Set 3	Not applicable.
	2X Brilliant II QRT-PCR Master Mix	Not applicable.
	Reference Dye	Not applicable.
	RT/RNase Block	Not applicable.
	Enzyme Mixture	Not applicable.
Disposal	: SideStep Lysis & Stabilization Buffer	Not applicable.
	SideStep II Neutralization Buffer	Not applicable.
	SideStep II DNase I	Not applicable.
	SideStep II DNase Digestion Buffer	Not applicable.
	QPCR Normalization Primers, Set 1	Not applicable.
	QPCR Normalization Primers, Set 2	Not applicable.
	QPCR Normalization Primers, Set 3	Not applicable.
	2X Brilliant II QRT-PCR Master Mix	Not applicable.
	Reference Dye	Not applicable.
	RT/RNase Block	Not applicable.
	Enzyme Mixture	Not applicable.
Hazardous ingredients	: SideStep Lysis & Stabilization Buffer	Not applicable.
	Reference Dye	Not applicable.

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SECTION 2: Hazards identification

Supplemental label elements	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Safety data sheet available on request. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Special packaging requirements		
Tactile warning of danger	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

2.3 Other hazards

SideStep II QRT-PCR Master Mix Kit - 1-Step, Part Number 400917

SECTION 2: Hazards identification

Other hazards which do not result in classification	: SideStep Lysis & Stabilization Buffer	None known.
	SideStep II Neutralization Buffer	None known.
	SideStep II DNase I	None known.
	SideStep II DNase Digestion Buffer	None known.
	QPCR Normalization Primers, Set 1	None known.
	QPCR Normalization Primers, Set 2	None known.
	QPCR Normalization Primers, Set 3	None known.
	2X Brilliant II QRT-PCR Master Mix	None known.
	Reference Dye	None known.
	RT/RNase Block	None known.
	Enzyme Mixture	

SECTION 3: Composition/information on ingredients

3.1 Substances	: SideStep Lysis & Stabilization Buffer	Mixture
	SideStep II Neutralization Buffer	Mixture
	SideStep II DNase I	Mixture
	SideStep II DNase Digestion Buffer	Mixture
	QPCR Normalization Primers, Set 1	Mixture
	QPCR Normalization Primers, Set 2	Mixture
	QPCR Normalization Primers, Set 3	Mixture
	2X Brilliant II QRT-PCR Master Mix	Mixture
	Reference Dye	Mixture
	RT/RNase Block Enzyme Mixture	Mixture

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
SideStep Lysis & Stabilization Buffer Polyoxyethylene octyl phenyl ether	CAS: 9002-93-1	<2.5	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	[1] [5]
SideStep II DNase I Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
2X Brilliant II QRT-PCR Master Mix Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥10 - ≤25	Not classified.	[2]
Reference Dye 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]

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SECTION 3: Composition/information on ingredients

RT/RNase Block Enzyme Mixture Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified. See Section 16 for the full text of the H statements declared above.	[2]
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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.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: SideStep Lysis & Stabilization Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	SideStep II Neutralization Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	SideStep II DNase I	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.
	SideStep II DNase Digestion Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	QPCR Normalization Primers, Set 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	QPCR Normalization Primers, Set 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	QPCR Normalization Primers, Set 3	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	2X Brilliant II QRT-PCR Master Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Reference Dye	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.
	RT/RNase Block Enzyme Mixture	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	: SideStep Lysis & Stabilization 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

SECTION 4: First aid measures

recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SideStep II Neutralization Buffer Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SideStep II DNase I Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

SideStep II DNase Digestion Buffer Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

QPCR Normalization Primers, Set 1 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

QPCR Normalization Primers, Set 2 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

QPCR Normalization Primers, Set 3 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

2X Brilliant II QRT-PCR Master Mix Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Reference Dye 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.

RT/RNase Block Enzyme Mixture Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact

: SideStep Lysis & Stabilization Buffer Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

SideStep II Neutralization Buffer Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SideStep II DNase I Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SideStep II DNase Digestion Buffer Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

QPCR Normalization Primers, Set 1 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

QPCR Normalization Primers, Set 2 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

QPCR Normalization Primers, Set 3 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

2X Brilliant II QRT-PCR Master Mix Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Reference Dye Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SECTION 4: First aid measures

	RT/RNase Block Enzyme Mixture	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	: SideStep Lysis & Stabilization Buffer	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.
	SideStep II Neutralization 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.
	SideStep II DNase I	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.
	SideStep II DNase Digestion 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.
	QPCR Normalization Primers, Set 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.
	QPCR Normalization Primers, Set 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.
	QPCR Normalization Primers, Set 3	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.
	2X Brilliant II QRT-PCR Master Mix	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.
	Reference Dye	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If

SECTION 4: First aid measures

	RT/RNase Block Enzyme Mixture	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 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.
Protection of first-aiders	: SideStep Lysis & Stabilization Buffer	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	SideStep II Neutralization Buffer	No action shall be taken involving any personal risk or without suitable training.
	SideStep II DNase I	No action shall be taken involving any personal risk or without suitable training.
	SideStep II DNase Digestion Buffer	No action shall be taken involving any personal risk or without suitable training.
	QPCR Normalization Primers, Set 1	No action shall be taken involving any personal risk or without suitable training.
	QPCR Normalization Primers, Set 2	No action shall be taken involving any personal risk or without suitable training.
	QPCR Normalization Primers, Set 3	No action shall be taken involving any personal risk or without suitable training.
	2X Brilliant II QRT-PCR Master Mix	No action shall be taken involving any personal risk or without suitable training.
	Reference Dye	No action shall be taken involving any personal risk or without suitable training.
	RT/RNase Block Enzyme Mixture	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact	: SideStep Lysis & Stabilization Buffer	Causes serious eye irritation.
	SideStep II Neutralization Buffer	No known significant effects or critical hazards.
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block Enzyme Mixture	No known significant effects or critical hazards.
Inhalation	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II Neutralization Buffer	No known significant effects or critical hazards.
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization	No known significant effects or critical hazards.

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	Primers, Set 1	
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 2	
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 3	
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	
Skin contact	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II Neutralization Buffer	No known significant effects or critical hazards.
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 1	
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 2	
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 3	
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	
Ingestion	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II Neutralization Buffer	No known significant effects or critical hazards.
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 1	
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 2	
	QPCR Normalization	No known significant effects or critical hazards.
	Primers, Set 3	
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	

Over-exposure signs/symptoms

Eye contact	: SideStep Lysis & Stabilization Buffer	Adverse symptoms may include the following:
		pain or irritation
		watering
		redness
	SideStep II Neutralization Buffer	No specific data.
	SideStep II DNase I	No specific data.
	SideStep II DNase Digestion Buffer	No specific data.
	QPCR Normalization	No specific data.
	Primers, Set 1	
	QPCR Normalization	No specific data.

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	Primers, Set 2	
	QPCR Normalization	No specific data.
	Primers, Set 3	
	2X Brilliant II QRT-PCR Master Mix	No specific data.
	Reference Dye	No specific data.
	RT/RNase Block	No specific data.
	Enzyme Mixture	
Inhalation	: SideStep Lysis & Stabilization Buffer	No specific data.
	SideStep II Neutralization Buffer	No specific data.
	SideStep II DNase I	No specific data.
	SideStep II DNase Digestion Buffer	No specific data.
	QPCR Normalization	No specific data.
	Primers, Set 1	
	QPCR Normalization	No specific data.
	Primers, Set 2	
	QPCR Normalization	No specific data.
	Primers, Set 3	
	2X Brilliant II QRT-PCR Master Mix	No specific data.
	Reference Dye	No specific data.
	RT/RNase Block	No specific data.
	Enzyme Mixture	
Skin contact	: SideStep Lysis & Stabilization Buffer	No specific data.
	SideStep II Neutralization Buffer	No specific data.
	SideStep II DNase I	No specific data.
	SideStep II DNase Digestion Buffer	No specific data.
	QPCR Normalization	No specific data.
	Primers, Set 1	
	QPCR Normalization	No specific data.
	Primers, Set 2	
	QPCR Normalization	No specific data.
	Primers, Set 3	
	2X Brilliant II QRT-PCR Master Mix	No specific data.
	Reference Dye	No specific data.
	RT/RNase Block	No specific data.
	Enzyme Mixture	
Ingestion	: SideStep Lysis & Stabilization Buffer	No specific data.
	SideStep II Neutralization Buffer	No specific data.
	SideStep II DNase I	No specific data.
	SideStep II DNase Digestion Buffer	No specific data.
	QPCR Normalization	No specific data.
	Primers, Set 1	
	QPCR Normalization	No specific data.
	Primers, Set 2	
	QPCR Normalization	No specific data.
	Primers, Set 3	
	2X Brilliant II QRT-PCR Master Mix	No specific data.
	Reference Dye	No specific data.
	RT/RNase Block	No specific data.

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Enzyme Mixture

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: RT/RNase Block Enzyme Mixture SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment. No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
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SECTION 5: Firefighting measures

	Reference Dye	Use an extinguishing agent suitable for the surrounding fire.
	RT/RNase Block	Use an extinguishing agent suitable for the surrounding fire.
	Enzyme Mixture	
Unsuitable extinguishing media	SideStep Lysis & Stabilization Buffer	None known.
	SideStep II	None known.
	Neutralization Buffer	
	SideStep II DNase I	None known.
	SideStep II DNase Digestion Buffer	None known.
	QPCR Normalization Primers, Set 1	None known.
	QPCR Normalization Primers, Set 2	None known.
	QPCR Normalization Primers, Set 3	None known.
	2X Brilliant II QRT-PCR Master Mix	None known.
	Reference Dye	None known.
	RT/RNase Block	None known.
	Enzyme Mixture	

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	SideStep Lysis & Stabilization Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	SideStep II	In a fire or if heated, a pressure increase will occur and the container may burst.
	Neutralization Buffer	
	SideStep II DNase I	In a fire or if heated, a pressure increase will occur and the container may burst.
	SideStep II DNase Digestion Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	QPCR Normalization Primers, Set 1	In a fire or if heated, a pressure increase will occur and the container may burst.
	QPCR Normalization Primers, Set 2	In a fire or if heated, a pressure increase will occur and the container may burst.
	QPCR Normalization Primers, Set 3	In a fire or if heated, a pressure increase will occur and the container may burst.
	2X Brilliant II QRT-PCR Master Mix	In a fire or if heated, a pressure increase will occur and the container may burst.
	Reference Dye	In a fire or if heated, a pressure increase will occur and the container may burst.
	RT/RNase Block	In a fire or if heated, a pressure increase will occur and the container may burst.
	Enzyme Mixture	
Hazardous combustion products	SideStep Lysis & Stabilization Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide No specific data.
	SideStep II	
	Neutralization Buffer	
	SideStep II DNase I	Decomposition products may include the following materials: carbon dioxide carbon monoxide
	SideStep II DNase Digestion Buffer	Decomposition products may include the following materials: halogenated compounds metal oxide/oxides
	QPCR Normalization Primers, Set 1	No specific data.
	QPCR Normalization Primers, Set 2	No specific data.

SECTION 5: Firefighting measures

QPCR Normalization Primers, Set 3	No specific data.
2X Brilliant II QRT-PCR Master Mix	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides
Reference Dye	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
RT/RNase Block Enzyme Mixture	Decomposition products may include the following materials: carbon dioxide carbon monoxide

5.3 Advice for firefighters

Special precautions for fire-fighters

: SideStep Lysis & Stabilization 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.
SideStep II Neutralization 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.
SideStep II DNase I	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.
SideStep II DNase Digestion 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.
QPCR Normalization Primers, Set 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
QPCR Normalization Primers, Set 2	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
QPCR Normalization Primers, Set 3	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
2X Brilliant II QRT-PCR Master Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Reference Dye	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.
RT/RNase Block Enzyme Mixture	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: SideStep Lysis & Stabilization Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SideStep II Neutralization Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 5: Firefighting measures

SideStep II DNase I	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
SideStep II DNase Digestion Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
QPCR Normalization Primers, Set 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
QPCR Normalization Primers, Set 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
QPCR Normalization Primers, Set 3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
2X Brilliant II QRT-PCR Master Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Reference Dye	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
RT/RNase Block Enzyme Mixture	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: SideStep Lysis & Stabilization 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.
	SideStep II Neutralization Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

SECTION 6: Accidental release measures

	SideStep II DNase I	Do not touch or walk through spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	SideStep II DNase Digestion 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.
	QPCR Normalization Primers, Set 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	QPCR Normalization Primers, Set 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	QPCR Normalization Primers, Set 3	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	2X Brilliant II QRT-PCR Master Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Reference Dye	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.
	RT/RNase Block Enzyme Mixture	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
For emergency responders	: SideStep Lysis & Stabilization Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SideStep II Neutralization Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	SideStep II DNase I	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".
	SideStep II DNase Digestion Buffer	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	QPCR Normalization Primers, Set 1	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".

SECTION 6: Accidental release measures

QPCR Normalization Primers, Set 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
QPCR Normalization Primers, Set 3	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
2X Brilliant II QRT-PCR Master Mix	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Reference Dye	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".
RT/RNase Block Enzyme Mixture	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".

6.2 Environmental precautions

: SideStep Lysis & Stabilization 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).
SideStep II Neutralization 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).
SideStep II DNase I	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).
SideStep II DNase Digestion 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).
QPCR Normalization Primers, Set 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).
QPCR Normalization Primers, Set 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).
QPCR Normalization Primers, Set 3	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
2X Brilliant II QRT-PCR Master Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Reference Dye	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).
RT/RNase Block Enzyme Mixture	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).

SECTION 6: Accidental release measures

6.3 Methods and material for containment and cleaning up

Methods for cleaning up	: SideStep Lysis & Stabilization 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.
	SideStep II Neutralization 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.
	SideStep II DNase I	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.
	SideStep II DNase Digestion 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.
	QPCR Normalization Primers, Set 1	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	QPCR Normalization Primers, Set 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	QPCR Normalization Primers, Set 3	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	2X Brilliant II QRT-PCR Master Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Reference Dye	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.
	RT/RNase Block Enzyme Mixture	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	: SideStep Lysis & Stabilization Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
	SideStep II Neutralization Buffer	Put on appropriate personal protective equipment (see Section 8).
	SideStep II DNase I	Put on appropriate personal protective equipment (see Section 8).
	SideStep II DNase Digestion Buffer	Put on appropriate personal protective equipment (see Section 8).
	QPCR Normalization Primers, Set 1	Put on appropriate personal protective equipment (see Section 8).
	QPCR Normalization Primers, Set 2	Put on appropriate personal protective equipment (see Section 8).
	QPCR Normalization Primers, Set 3	Put on appropriate personal protective equipment (see Section 8).
	2X Brilliant II QRT-PCR Master Mix	Put on appropriate personal protective equipment (see Section 8).
	Reference Dye	Put on appropriate personal protective equipment (see Section 8).
	RT/RNase Block Enzyme Mixture	Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: SideStep Lysis & Stabilization 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.
	SideStep II Neutralization 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.
	SideStep II DNase I	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.
	SideStep II DNase Digestion 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.
	QPCR Normalization Primers, Set 1	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
	QPCR Normalization Primers, Set 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also

SECTION 7: Handling and storage

QPCR Normalization Primers, Set 3	Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
2X Brilliant II QRT-PCR Master Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Reference Dye	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.
RT/RNase Block Enzyme Mixture	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage

: SideStep Lysis & Stabilization 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.
SideStep II Neutralization 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.
SideStep II DNase I	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.
SideStep II DNase Digestion 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

SECTION 7: Handling and storage

	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.
QPCR Normalization Primers, Set 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
QPCR Normalization Primers, Set 2	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
QPCR Normalization Primers, Set 3	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
2X Brilliant II QRT-PCR Master Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Reference Dye	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.
RT/RNase Block Enzyme Mixture	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to

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

7.3 Specific end use(s)

Recommendations	:	SideStep Lysis & Stabilization Buffer	Industrial applications, Professional applications.
		SideStep II Neutralization Buffer	Industrial applications, Professional applications.
		SideStep II DNase I	Industrial applications, Professional applications.
		SideStep II DNase Digestion Buffer	Industrial applications, Professional applications.
		QPCR Normalization Primers, Set 1	Industrial applications, Professional applications.
		QPCR Normalization Primers, Set 2	Industrial applications, Professional applications.
		QPCR Normalization Primers, Set 3	Industrial applications, Professional applications.
		2X Brilliant II QRT-PCR Master Mix	Industrial applications, Professional applications.
		Reference Dye	Industrial applications, Professional applications.
		RT/RNase Block Enzyme Mixture	Industrial applications, Professional applications.
Industrial sector specific solutions	:	SideStep Lysis & Stabilization Buffer	Not applicable.
		SideStep II Neutralization Buffer	Not applicable.
		SideStep II DNase I	Not applicable.
		SideStep II DNase Digestion Buffer	Not applicable.
		QPCR Normalization Primers, Set 1	Not applicable.
		QPCR Normalization Primers, Set 2	Not applicable.
		QPCR Normalization Primers, Set 3	Not applicable.
		2X Brilliant II QRT-PCR Master Mix	Not applicable.
		Reference Dye	Not applicable.
		RT/RNase Block Enzyme Mixture	Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
SideStep II DNase I Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
2X Brilliant II QRT-PCR Master Mix Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
RT/RNase Block Enzyme Mixture Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist

SECTION 8: Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

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

Individual protection measures

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

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

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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

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

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

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	SideStep Lysis & Stabilization Buffer	Liquid.	
		SideStep II Neutralization Buffer	Liquid.	
		SideStep II DNase I	Liquid.	
		SideStep II DNase	Liquid.	
		Digestion Buffer		
		QPCR Normalization Primers, Set 1	Liquid.	
		QPCR Normalization Primers, Set 2	Liquid.	
		QPCR Normalization Primers, Set 3	Liquid.	
		2X Brilliant II QRT-PCR Master Mix	Liquid.	
		Reference Dye	Liquid.	
		RT/RNase Block	Liquid.	
		Enzyme Mixture		
	Colour	:	SideStep Lysis & Stabilization Buffer	Not available.
			SideStep II Neutralization Buffer	Not available.
			SideStep II DNase I	Not available.
			SideStep II DNase	Not available.
			Digestion Buffer	
		QPCR Normalization Primers, Set 1	Not available.	
		QPCR Normalization Primers, Set 2	Not available.	
		QPCR Normalization Primers, Set 3	Not available.	
		2X Brilliant II QRT-PCR Master Mix	Not available.	
		Reference Dye	Not available.	
		RT/RNase Block	Not available.	
		Enzyme Mixture		
Odour		:	SideStep Lysis & Stabilization Buffer	Not available.
			SideStep II Neutralization Buffer	Not available.
			SideStep II DNase I	Not available.
			SideStep II DNase	Not available.
			Digestion Buffer	
		QPCR Normalization Primers, Set 1	Not available.	
		QPCR Normalization Primers, Set 2	Not available.	
		QPCR Normalization Primers, Set 3	Not available.	
		2X Brilliant II QRT-PCR Master Mix	Not available.	
		Reference Dye	Not available.	
		RT/RNase Block	Not available.	
		Enzyme Mixture		

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SECTION 9: Physical and chemical properties

Odour threshold	:	SideStep Lysis & Stabilization Buffer	Not available.
		SideStep II Neutralization Buffer	Not available.
		SideStep II DNase I	Not available.
		SideStep II DNase Digestion Buffer	Not available.
		QPCR Normalization Primers, Set 1	Not available.
		QPCR Normalization Primers, Set 2	Not available.
		QPCR Normalization Primers, Set 3	Not available.
		2X Brilliant II QRT-PCR Master Mix	Not available.
		Reference Dye	Not available.
		RT/RNase Block	Not available.
		Enzyme Mixture	
pH	:	SideStep Lysis & Stabilization Buffer	Not available.
		SideStep II Neutralization Buffer	Not available.
		SideStep II DNase I	7.5
		SideStep II DNase Digestion Buffer	Not available.
		QPCR Normalization Primers, Set 1	Not available.
		QPCR Normalization Primers, Set 2	Not available.
		QPCR Normalization Primers, Set 3	Not available.
		2X Brilliant II QRT-PCR Master Mix	8
		Reference Dye	8
		RT/RNase Block	8
		Enzyme Mixture	
Melting point/freezing point	:	SideStep Lysis & Stabilization Buffer	0°C
		SideStep II Neutralization Buffer	0°C
		SideStep II DNase I	Not available.
		SideStep II DNase Digestion Buffer	0°C
		QPCR Normalization Primers, Set 1	0°C
		QPCR Normalization Primers, Set 2	0°C
		QPCR Normalization Primers, Set 3	0°C
		2X Brilliant II QRT-PCR Master Mix	Not available.
		Reference Dye	Not available.
		RT/RNase Block	Not available.
		Enzyme Mixture	
Initial boiling point and boiling range	:	SideStep Lysis & Stabilization Buffer	100°C
		SideStep II Neutralization Buffer	100°C
		SideStep II DNase I	Not available.
		SideStep II DNase Digestion Buffer	100°C

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	QPCR Normalization Primers, Set 1	100°C
	QPCR Normalization Primers, Set 2	100°C
	QPCR Normalization Primers, Set 3	100°C
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Flash point	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II Neutralization Buffer	Not available.
	SideStep II DNase I	Not available.
	SideStep II DNase Digestion Buffer	Not available.
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Evaporation rate	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II Neutralization Buffer	Not available.
	SideStep II DNase I	Not available.
	SideStep II DNase Digestion Buffer	Not available.
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Flammability (solid, gas)	: SideStep Lysis & Stabilization Buffer	Not applicable.
	SideStep II Neutralization Buffer	Not applicable.
	SideStep II DNase I	Not applicable.
	SideStep II DNase Digestion Buffer	Not applicable.
	QPCR Normalization Primers, Set 1	Not applicable.
	QPCR Normalization Primers, Set 2	Not applicable.
	QPCR Normalization Primers, Set 3	Not applicable.
	2X Brilliant II QRT-	Not applicable.

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SECTION 9: Physical and chemical properties

	PCR Master Mix	
	Reference Dye	Not applicable.
	RT/RNase Block	Not applicable.
	Enzyme Mixture	
Upper/lower flammability or explosive limits	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II	Not available.
	Neutralization Buffer	
	SideStep II DNase I	Not available.
	SideStep II DNase	Not available.
	Digestion Buffer	
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Vapour pressure	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II	Not available.
	Neutralization Buffer	
	SideStep II DNase I	Not available.
	SideStep II DNase	Not available.
	Digestion Buffer	
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Vapour density	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II	Not available.
	Neutralization Buffer	
	SideStep II DNase I	Not available.
	SideStep II DNase	Not available.
	Digestion Buffer	
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	

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SECTION 9: Physical and chemical properties

Relative density	:	SideStep Lysis & Stabilization Buffer	Not available.
		SideStep II Neutralization Buffer	Not available.
		SideStep II DNase I	Not available.
		SideStep II DNase Digestion Buffer	Not available.
		QPCR Normalization Primers, Set 1	Not available.
		QPCR Normalization Primers, Set 2	Not available.
		QPCR Normalization Primers, Set 3	Not available.
		2X Brilliant II QRT-PCR Master Mix	Not available.
		Reference Dye	Not available.
		RT/RNase Block	Not available.
		Enzyme Mixture	
Solubility(ies)	:	SideStep Lysis & Stabilization Buffer	Easily soluble in the following materials: cold water and hot water.
		SideStep II Neutralization Buffer	Easily soluble in the following materials: cold water and hot water.
		SideStep II DNase I	Soluble in the following materials: cold water and hot water.
		SideStep II DNase Digestion Buffer	Easily soluble in the following materials: cold water and hot water.
		QPCR Normalization Primers, Set 1	Easily soluble in the following materials: cold water and hot water.
		QPCR Normalization Primers, Set 2	Easily soluble in the following materials: cold water and hot water.
		QPCR Normalization Primers, Set 3	Easily soluble in the following materials: cold water and hot water.
		2X Brilliant II QRT-PCR Master Mix	Soluble in the following materials: cold water and hot water.
		Reference Dye	Easily soluble in the following materials: cold water and hot water.
		RT/RNase Block	Soluble in the following materials: cold water and hot water.
		Enzyme Mixture	
Partition coefficient: n-octanol/water	:	SideStep Lysis & Stabilization Buffer	Not available.
		SideStep II Neutralization Buffer	Not available.
		SideStep II DNase I	Not available.
		SideStep II DNase Digestion Buffer	Not available.
		QPCR Normalization Primers, Set 1	Not available.
		QPCR Normalization Primers, Set 2	Not available.
		QPCR Normalization Primers, Set 3	Not available.
		2X Brilliant II QRT-PCR Master Mix	Not available.
		Reference Dye	Not available.
		RT/RNase Block	Not available.
		Enzyme Mixture	

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SECTION 9: Physical and chemical properties

Auto-ignition temperature	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II Neutralization Buffer	Not available.
	SideStep II DNase I	Not available.
	SideStep II DNase Digestion Buffer	Not available.
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Decomposition temperature	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II Neutralization Buffer	Not available.
	SideStep II DNase I	Not available.
	SideStep II DNase Digestion Buffer	Not available.
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Viscosity	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II Neutralization Buffer	Not available.
	SideStep II DNase I	Not available.
	SideStep II DNase Digestion Buffer	Not available.
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Explosive properties	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II Neutralization Buffer	Not available.
	SideStep II DNase I	Not available.
	SideStep II DNase Digestion Buffer	Not available.

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	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	
Oxidising properties	: SideStep Lysis & Stabilization Buffer	Not available.
	SideStep II Neutralization Buffer	Not available.
	SideStep II DNase I	Not available.
	SideStep II DNase Digestion Buffer	Not available.
	QPCR Normalization Primers, Set 1	Not available.
	QPCR Normalization Primers, Set 2	Not available.
	QPCR Normalization Primers, Set 3	Not available.
	2X Brilliant II QRT-PCR Master Mix	Not available.
	Reference Dye	Not available.
	RT/RNase Block	Not available.
	Enzyme Mixture	

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: SideStep Lysis & Stabilization Buffer	No specific test data related to reactivity available for this product or its ingredients.
	SideStep II Neutralization Buffer	No specific test data related to reactivity available for this product or its ingredients.
	SideStep II DNase I	No specific test data related to reactivity available for this product or its ingredients.
	SideStep II DNase Digestion Buffer	No specific test data related to reactivity available for this product or its ingredients.
	QPCR Normalization Primers, Set 1	No specific test data related to reactivity available for this product or its ingredients.
	QPCR Normalization Primers, Set 2	No specific test data related to reactivity available for this product or its ingredients.
	QPCR Normalization Primers, Set 3	No specific test data related to reactivity available for this product or its ingredients.
	2X Brilliant II QRT-PCR Master Mix	No specific test data related to reactivity available for this product or its ingredients.
	Reference Dye	No specific test data related to reactivity available for this product or its ingredients.
	RT/RNase Block	No specific test data related to reactivity available for this product or its ingredients.
	Enzyme Mixture	No specific test data related to reactivity available for this product or its ingredients.

SECTION 10: Stability and reactivity

10.2 Chemical stability	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	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. 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. 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.
10.4 Conditions to avoid	: SideStep Lysis & Stabilization Buffer SideStep II Neutralization Buffer SideStep II DNase I SideStep II DNase Digestion Buffer QPCR Normalization Primers, Set 1 QPCR Normalization Primers, Set 2 QPCR Normalization Primers, Set 3 2X Brilliant II QRT-PCR Master Mix Reference Dye RT/RNase Block Enzyme Mixture	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.

SECTION 10: Stability and reactivity

10.5 Incompatible materials

: SideStep Lysis & Stabilization Buffer	May react or be incompatible with oxidising materials.
SideStep II Neutralization Buffer	May react or be incompatible with oxidising materials.
SideStep II DNase I	May react or be incompatible with oxidising materials.
SideStep II DNase Digestion Buffer	May react or be incompatible with oxidising materials.
QPCR Normalization Primers, Set 1	May react or be incompatible with oxidising materials.
QPCR Normalization Primers, Set 2	May react or be incompatible with oxidising materials.
QPCR Normalization Primers, Set 3	May react or be incompatible with oxidising materials.
2X Brilliant II QRT-PCR Master Mix	May react or be incompatible with oxidising materials.
Reference Dye	May react or be incompatible with oxidising materials.
RT/RNase Block	May react or be incompatible with oxidising materials.
Enzyme Mixture	

10.6 Hazardous decomposition products

: SideStep Lysis & Stabilization Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SideStep II Neutralization Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SideStep II DNase I	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SideStep II DNase Digestion Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
QPCR Normalization Primers, Set 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
QPCR Normalization Primers, Set 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
QPCR Normalization Primers, Set 3	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
2X Brilliant II QRT-PCR Master Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Reference Dye	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
RT/RNase Block	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Enzyme Mixture	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
SideStep Lysis & Stabilization Buffer Polyoxyethylene octyl phenyl ether	LD50 Oral	Rat	1800 mg/kg	-

Acute toxicity estimates

Route	ATE value
SideStep Lysis & Stabilization Buffer Oral	180000 mg/kg

Irritation/Corrosion

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SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
SideStep Lysis & Stabilization Buffer Polyoxyethylene octyl phenyl ether	Eyes - Moderate irritant	Rabbit	-	24 hours 10 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-

Sensitiser

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
Reference Dye 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

SideStep Lysis & Stabilization Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
SideStep II Neutralization Buffer	Not available.
SideStep II DNase I	Routes of entry anticipated: Oral, Dermal, Inhalation.
SideStep II DNase Digestion Buffer	Not available.
QPCR Normalization Primers, Set 1	Not available.
QPCR Normalization Primers, Set 2	Not available.
QPCR Normalization Primers, Set 3	Not available.
2X Brilliant II QRT-PCR Master Mix	Routes of entry anticipated: Oral, Dermal, Inhalation.
Reference Dye	Routes of entry anticipated: Oral, Dermal, Inhalation.
RT/RNase Block	Routes of entry anticipated: Oral, Dermal, Inhalation.
Enzyme Mixture	

Potential acute health effects

Inhalation	SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II Neutralization Buffer	No known significant effects or critical hazards.
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	

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Ingestion	:	SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
		SideStep II Neutralization Buffer	No known significant effects or critical hazards.
		SideStep II DNase I	No known significant effects or critical hazards.
		SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
		2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Enzyme Mixture	
Skin contact	:	SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
		SideStep II Neutralization Buffer	No known significant effects or critical hazards.
		SideStep II DNase I	No known significant effects or critical hazards.
		SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
		2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Enzyme Mixture	
Eye contact	:	SideStep Lysis & Stabilization Buffer	Causes serious eye irritation.
		SideStep II Neutralization Buffer	No known significant effects or critical hazards.
		SideStep II DNase I	No known significant effects or critical hazards.
		SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
		QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
		2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
		Reference Dye	No known significant effects or critical hazards.
		RT/RNase Block	No known significant effects or critical hazards.
		Enzyme Mixture	

Symptoms related to the physical, chemical and toxicological characteristics

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Inhalation	:	SideStep Lysis & Stabilization Buffer	No specific data.
		SideStep II	No specific data.
		Neutralization Buffer	
		SideStep II DNase I	No specific data.
		SideStep II DNase	No specific data.
		Digestion Buffer	
		QPCR Normalization Primers, Set 1	No specific data.
		QPCR Normalization Primers, Set 2	No specific data.
		QPCR Normalization Primers, Set 3	No specific data.
		2X Brilliant II QRT-PCR Master Mix	No specific data.
		Reference Dye	No specific data.
		RT/RNase Block	No specific data.
		Enzyme Mixture	
Ingestion	:	SideStep Lysis & Stabilization Buffer	No specific data.
		SideStep II	No specific data.
		Neutralization Buffer	
		SideStep II DNase I	No specific data.
		SideStep II DNase	No specific data.
		Digestion Buffer	
		QPCR Normalization Primers, Set 1	No specific data.
		QPCR Normalization Primers, Set 2	No specific data.
		QPCR Normalization Primers, Set 3	No specific data.
		2X Brilliant II QRT-PCR Master Mix	No specific data.
		Reference Dye	No specific data.
		RT/RNase Block	No specific data.
		Enzyme Mixture	
Skin contact	:	SideStep Lysis & Stabilization Buffer	No specific data.
		SideStep II	No specific data.
		Neutralization Buffer	
		SideStep II DNase I	No specific data.
		SideStep II DNase	No specific data.
		Digestion Buffer	
		QPCR Normalization Primers, Set 1	No specific data.
		QPCR Normalization Primers, Set 2	No specific data.
		QPCR Normalization Primers, Set 3	No specific data.
		2X Brilliant II QRT-PCR Master Mix	No specific data.
		Reference Dye	No specific data.
		RT/RNase Block	No specific data.
		Enzyme Mixture	
Eye contact	:	SideStep Lysis & Stabilization Buffer	Adverse symptoms may include the following: pain or irritation watering redness
		SideStep II	No specific data.
		Neutralization Buffer	

SECTION 11: Toxicological information

SideStep II DNase I	No specific data.
SideStep II DNase	No specific data.
Digestion Buffer	
QPCR Normalization Primers, Set 1	No specific data.
QPCR Normalization Primers, Set 2	No specific data.
QPCR Normalization Primers, Set 3	No specific data.
2X Brilliant II QRT-PCR Master Mix	No specific data.
Reference Dye	No specific data.
RT/RNase Block	No specific data.
Enzyme Mixture	

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.	
	SideStep II Neutralization Buffer	No known significant effects or critical hazards.	
	SideStep II DNase I	No known significant effects or critical hazards.	
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.	
	QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.	
	QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.	
	QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.	
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.	
	Reference Dye	No known significant effects or critical hazards.	
	RT/RNase Block	No known significant effects or critical hazards.	
	Enzyme Mixture		
	Carcinogenicity	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
		SideStep II Neutralization Buffer	No known significant effects or critical hazards.
SideStep II DNase I		No known significant effects or critical hazards.	
SideStep II DNase Digestion Buffer		No known significant effects or critical hazards.	
QPCR Normalization Primers, Set 1		No known significant effects or critical hazards.	
QPCR Normalization Primers, Set 2		No known significant effects or critical hazards.	
QPCR Normalization Primers, Set 3		No known significant effects or critical hazards.	
2X Brilliant II QRT-PCR Master Mix		No known significant effects or critical hazards.	

SECTION 11: Toxicological information

	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	
Mutagenicity	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II	No known significant effects or critical hazards.
	Neutralization Buffer	
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	
Teratogenicity	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II	No known significant effects or critical hazards.
	Neutralization Buffer	
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	
Developmental effects	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II	No known significant effects or critical hazards.
	Neutralization Buffer	
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	

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Fertility effects	: SideStep Lysis & Stabilization Buffer	No known significant effects or critical hazards.
	SideStep II Neutralization Buffer	No known significant effects or critical hazards.
	SideStep II DNase I	No known significant effects or critical hazards.
	SideStep II DNase Digestion Buffer	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 1	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 2	No known significant effects or critical hazards.
	QPCR Normalization Primers, Set 3	No known significant effects or critical hazards.
	2X Brilliant II QRT-PCR Master Mix	No known significant effects or critical hazards.
	Reference Dye	No known significant effects or critical hazards.
	RT/RNase Block	No known significant effects or critical hazards.
	Enzyme Mixture	No known significant effects or critical hazards.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
SideStep Lysis & Stabilization Buffer Polyoxyethylene octyl phenyl ether	Acute LC50 5.85 mg/l Fresh water	Crustaceans - Ceriodaphnia rigaudi - Neonate	48 hours
	Acute LC50 11.2 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 4500 µg/l Fresh water	Fish - Pimephales promelas	96 hours

12.2 Persistence and degradability

Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
SideStep Lysis & Stabilization Buffer Polyoxyethylene octyl phenyl ether	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
SideStep Lysis & Stabilization Buffer Polyoxyethylene octyl phenyl ether	4.86	-	high

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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SECTION 12: Ecological information

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

Packaging

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

Special precautions : This material and its container must be disposed of in a safe way. 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

ADR/RID / IMDG / IATA : Not regulated.

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

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

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
SideStep Lysis & Stabilization Buffer Polyoxyethylene octyl phenyl ether	Substance of equivalent concern for environment	Recommended	ED/169/2012	2/10/2014

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : SideStep Lysis & Stabilization Buffer Not applicable.
SideStep II Neutralization Buffer Not applicable.
SideStep II DNase I Not applicable.
SideStep II DNase Digestion Buffer Not applicable.

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SECTION 15: Regulatory information

QPCR Normalization Primers, Set 1	Not applicable.
QPCR Normalization Primers, Set 2	Not applicable.
QPCR Normalization Primers, Set 3	Not applicable.
2X Brilliant II QRT-PCR Master Mix	Not applicable.
Reference Dye	Not applicable.
RT/RNase Block Enzyme Mixture	Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

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	: Not determined.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: Not determined.

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

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SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
SideStep Lysis & Stabilization Buffer Eye Irrit. 2, H319	Calculation method

Full text of abbreviated H statements

SideStep Lysis & Stabilization Buffer H302 H315 H318 H319 H411 Reference Dye H315 H319 H335	Harmful if swallowed. Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. Toxic to aquatic life with long lasting effects. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
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Full text of classifications [CLP/GHS]

SideStep Lysis & Stabilization Buffer Acute Tox. 4, H302 Aquatic Chronic 2, H411 Eye Dam. 1, H318 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Reference Dye Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335	ACUTE TOXICITY (oral) - Category 4 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
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Date of issue/ Date of revision : 22/01/2018

Date of previous issue : No previous validation.

Version : 1

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