

SAFETY DATA SHEET



SurePrint G3 CGH/CGH+SNP 4x180K Bundle, Part Number G5922A

Section 1. Identification

Product identifier	: SurePrint G3 CGH/CGH+SNP 4x180K Bundle, Part Number G5922A	
Part no. (chemical kit)	: G5922A	
Part no.	<ul style="list-style-type: none"> ☑ Nuclease Free Water 5190-0439 Random Primers 5190-0441 5X gDNA Reaction Buffer 5190-3387 Alu I 5190-3394 Rsa I 5190-3395 10X Restriction Enzyme Buffer 5190-3396 BSA 5190-3397 Exo(-) Klenow 5190-0437 Cyanine-3-dUTP 5190-3389 Cyanine-5-dUTP 5190-3390 2X HI-RPM Hybridization Buffer 5188-6417 10X aCGH Blocking Agent 5188-6416 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 5188-5221 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 5188-5222 SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K G4869-60510, G4890-60510, G4449-60510 	

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

Material uses	: Analytical reagent.	
	<ul style="list-style-type: none"> ☑ Nuclease Free Water 2 x 1500 µl Random Primers 2 x 265 µl 5X gDNA Reaction Buffer 2 x 550 µl Alu I 2 x 28 µl 10 U/ µl Rsa I 2 x 28 µl 10 U/ µl BSA 2 x 15 µl 10X dNTP Mix 2 x 265 µl Exo(-) Klenow 2 x 55 µl Cyanine-3-dUTP 2 x 78 µl Cyanine-5-dUTP 2 x 78 µl 2X HI-RPM Hybridization Buffer 1400 µl 10X aCGH Blocking Agent 25 Hybs lyophilised pellets Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 4000000 µl Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 4000000 µl SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K glass slide (1x1/4000000 µl) 	

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
679 Springvale Road
Mulgrave
Victoria 3170, Australia
1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Note * : ***SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K:** This component is considered an article. Information provided is based on the encapsulated substance or mixture in this article.

Section 2. Hazard(s) identification

Classification of the substance or mixture

2X HI-RPM Hybridization

Buffer

H315	SKIN CORROSION/IRRITATION - Category 2
H318	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
H373	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (cardiovascular system, central nervous system (CNS), kidneys, thyroid) - Category 2
H402	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 3
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

10X aCGH Blocking Agent

H315	SKIN CORROSION/IRRITATION - Category 2
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3
5X gDNA Reaction 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% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
Alu I	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: 30 - 60% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
Rsa I	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
10X Restriction Enzyme 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% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
BSA	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%
Exo(-) Klenow	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
2X HI-RPM Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 10 - 30%
10X aCGH Blocking Agent	Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 10 - 30%
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: > 60%

Section 2. Hazard(s) identification

	system, central nervous system (CNS), kidneys, thyroid)
10X aCGH Blocking Agent	H412 - Harmful to aquatic life with long lasting effects. H319 - Causes serious eye irritation. H315 - Causes skin irritation. H335 - May cause respiratory irritation.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.

Precautionary statements

Prevention

<ul style="list-style-type: none"> ☑ Nuclease Free Water Random Primers 5X gDNA Reaction Buffer Alu I Rsa I 10X Restriction Enzyme Buffer BSA Exo(-) Klenow Cyanine-3-dUTP Cyanine-5-dUTP 2X HI-RPM Hybridization Buffer 	<ul style="list-style-type: none"> Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. P280 - Wear protective gloves. Wear eye or face protection. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P260 - Do not breathe vapour. P264 - Wash hands thoroughly after handling.
10X aCGH Blocking Agent	<ul style="list-style-type: none"> P280 - Wear protective gloves. Wear eye or face protection. P271 - Use only outdoors or in a well-ventilated area. P261 - Avoid breathing dust. P264 - Wash hands thoroughly after handling.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not applicable.

Response

<ul style="list-style-type: none"> ☑ Nuclease Free Water Random Primers 5X gDNA Reaction Buffer Alu I Rsa I 10X Restriction Enzyme Buffer BSA Exo(-) Klenow Cyanine-3-dUTP Cyanine-5-dUTP 2X HI-RPM Hybridization Buffer 	<ul style="list-style-type: none"> Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. P314 - Get medical attention if you feel unwell.
	<ul style="list-style-type: none"> P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P302 + P352 + P362 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.

Section 2. Hazard(s) identification

		P332 + P313 - If skin irritation occurs: Get medical attention.
		P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
	10X aCGH Blocking Agent	P304 + P340 + P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
		P302 + P352 + P362 + P363 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse.
		P332 + P313 - If skin irritation occurs: Get medical attention.
		P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P337 + P313 - If eye irritation persists: Get medical attention.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not applicable.
Storage	: Nuclease Free Water	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	Alu I	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme Buffer	Not applicable.
	BSA	Not applicable.
	Exo(-) Klenow	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	2X HI-RPM Hybridization Buffer	P405 - Store locked up.
	10X aCGH Blocking Agent	P405 - Store locked up.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not applicable.
Disposal	: Nuclease Free Water	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	Alu I	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme Buffer	Not applicable.
	BSA	Not applicable.
	Exo(-) Klenow	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	2X HI-RPM Hybridization Buffer	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 2. Hazard(s) identification

10X aCGH Blocking Agent	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not applicable.

Supplemental label elements

Additional warning phrases

: <input checked="" type="checkbox"/> Nuclease Free Water	Not applicable.
Random Primers	Not applicable.
5X gDNA Reaction Buffer	Not applicable.
Alu I	Not applicable.
Rsa I	Not applicable.
10X Restriction Enzyme Buffer	Not applicable.
BSA	Not applicable.
Exo(-) Klenow	Not applicable.
Cyanine-3-dUTP	Not applicable.
Cyanine-5-dUTP	Not applicable.
2X HI-RPM Hybridization Buffer	Not applicable.
10X aCGH Blocking Agent	Not applicable.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not applicable.

Other hazards which do not result in classification

: <input checked="" type="checkbox"/> Nuclease Free Water	None known.
Random Primers	None known.
5X gDNA Reaction Buffer	None known.
Alu I	None known.
Rsa I	None known.
10X Restriction Enzyme Buffer	None known.
BSA	None known.
Exo(-) Klenow	None known.
Cyanine-3-dUTP	None known.
Cyanine-5-dUTP	None known.
2X HI-RPM Hybridization Buffer	None known.
10X aCGH Blocking Agent	None known.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	None known.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	None known.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	None known.

Section 3. Composition and ingredient information

Substance/mixture	:	<input checked="" type="checkbox"/> Nuclease Free Water	Substance
		Random Primers	Mixture
		5X gDNA Reaction Buffer	Mixture
		Alu I	Mixture
		Rsa I	Mixture
		10X Restriction Enzyme Buffer	Mixture
		BSA	Mixture
		Exo(-) Klenow	Mixture
		Cyanine-3-dUTP	Mixture
		Cyanine-5-dUTP	Mixture
		2X HI-RPM Hybridization Buffer	Mixture
		10X aCGH Blocking Agent	Mixture
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Mixture
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Mixture
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Mixture (encapsulated in article)

CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
<input checked="" type="checkbox"/> Nuclease Free Water Water	100	7732-18-5
Alu I Glycerol	≥30 - ≤60	56-81-5
Trisodium citrate	≤3	68-04-2
Rsa I Glycerol	≥30 - ≤60	56-81-5
Exo(-) Klenow Glycerol	≥30 - ≤60	56-81-5
2X HI-RPM Hybridization Buffer Lithium chloride	≤12	7447-41-8
Polyoxyethylene octyl phenyl ether	≤6.4	9002-93-1
Lithium dodecyl sulphate	≤6.4	2044-56-6
10X aCGH Blocking Agent Trometamol	≥10 - ≤30	77-86-1
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	≥10 - ≤30	1185-53-1

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

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

Section 4. First aid measures

Description of necessary first aid measures

Section 4. First aid measures

Eye contact	: Nuclease Free Water	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Random Primers	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.
	5X gDNA Reaction 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.
	Alu 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.
	Rsa 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.
	10X Restriction Enzyme 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.
	BSA	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.
	Exo(-) Klenow	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.
	Cyanine-3-dUTP	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.
	Cyanine-5-dUTP	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 HI-RPM Hybridization Buffer	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
	10X aCGH Blocking Agent	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.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	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.

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Inhalation	:	<p>Nuclease Free Water</p> <p>Random Primers</p> <p>5X gDNA Reaction Buffer</p> <p>Alu I</p> <p>Rsa I</p> <p>10X Restriction Enzyme Buffer</p> <p>BSA</p> <p>Exo(-) Klenow</p> <p>Cyanine-3-dUTP</p> <p>Cyanine-5-dUTP</p> <p>2X HI-RPM Hybridization Buffer</p> <p>10X aCGH Blocking Agent</p>	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>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.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>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.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.</p> <p>Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get</p>
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Section 4. First aid measures

		medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	: Nuclease Free Water	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Random Primers	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	5X gDNA Reaction Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Alu I	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Rsa I	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	10X Restriction Enzyme Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	BSA	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Exo(-) Klenow	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Cyanine-3-dUTP	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Cyanine-5-dUTP	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	2X HI-RPM Hybridization Buffer	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	10X aCGH Blocking Agent	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get

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Ingestion	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	: Nuclease Free Water	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.
	Random Primers	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.
	5X gDNA Reaction 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.
	Alu 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.
	Rsa 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.
	10X Restriction Enzyme 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.
	BSA	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.
	Exo(-) Klenow	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.
	Cyanine-3-dUTP	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

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	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.
Cyanine-5-dUTP	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 HI-RPM Hybridization Buffer	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
10X aCGH Blocking Agent	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.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	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

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attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	☑ Nuclease Free Water	No known significant effects or critical hazards.
		Random Primers	No known significant effects or critical hazards.
		5X gDNA Reaction Buffer	No known significant effects or critical hazards.
		Alu I	No known significant effects or critical hazards.
		Rsa I	No known significant effects or critical hazards.
		10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
		BSA	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		Cyanine-3-dUTP	No known significant effects or critical hazards.
		Cyanine-5-dUTP	No known significant effects or critical hazards.
		2X HI-RPM Hybridization Buffer	Causes serious eye damage.
		10X aCGH Blocking Agent	Causes serious eye irritation.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Inhalation	:	☑ Nuclease Free Water	No known significant effects or critical hazards.
		Random Primers	No known significant effects or critical hazards.
		5X gDNA Reaction Buffer	No known significant effects or critical hazards.
		Alu I	No known significant effects or critical hazards.
		Rsa I	No known significant effects or critical hazards.
		10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
		BSA	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		Cyanine-3-dUTP	No known significant effects or critical hazards.
		Cyanine-5-dUTP	No known significant effects or critical hazards.
		2X HI-RPM Hybridization Buffer	May cause respiratory irritation.
		10X aCGH Blocking Agent	May cause respiratory irritation.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Skin contact	:	☑ Nuclease Free Water	No known significant effects or critical hazards.
		Random Primers	No known significant effects or critical hazards.
		5X gDNA Reaction Buffer	No known significant effects or critical hazards.
		Alu I	No known significant effects or critical hazards.
		Rsa I	No known significant effects or critical hazards.
		10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
		BSA	No known significant effects or critical hazards.
		Exo(-) Klenow	No known significant effects or critical hazards.
		Cyanine-3-dUTP	No known significant effects or critical hazards.
		Cyanine-5-dUTP	No known significant effects or critical hazards.
		2X HI-RPM Hybridization Buffer	Causes skin irritation.
		10X aCGH Blocking Agent	Causes skin irritation.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.

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	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Ingestion	: Nuclease Free Water	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	Alu I	No known significant effects or critical hazards.
	Rsa I	No known significant effects or critical hazards.
	10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	BSA	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	Cyanine-3-dUTP	No known significant effects or critical hazards.
	Cyanine-5-dUTP	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: pain watering redness
	10X aCGH Blocking Agent	Adverse symptoms may include the following: pain or irritation watering redness
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific data.
Inhalation	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.

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	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: respiratory tract irritation coughing
	10X aCGH Blocking Agent	Adverse symptoms may include the following: respiratory tract irritation coughing
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific data.
Skin contact	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: pain or irritation redness blistering may occur
	10X aCGH Blocking Agent	Adverse symptoms may include the following: irritation redness
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific data.
Ingestion	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: stomach pains
	10X aCGH Blocking Agent	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays,	No specific data.

Section 4. First aid measures

4x180K

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

Notes to physician	:  Nuclease Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Random Primers	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	5X gDNA Reaction Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	Alu I	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Rsa I	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	10X Restriction Enzyme Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	BSA	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Exo(-) Klenow	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Cyanine-3-dUTP	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Cyanine-5-dUTP	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	2X HI-RPM Hybridization Buffer	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	10X aCGH Blocking Agent	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.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:  Nuclease Free Water	No specific treatment.
	Random Primers	No specific treatment.
	5X gDNA Reaction Buffer	No specific treatment.
	Alu I	No specific treatment.
	Rsa I	No specific treatment.
	10X Restriction Enzyme Buffer	No specific treatment.
	BSA	No specific treatment.
	Exo(-) Klenow	No specific treatment.
	Cyanine-3-dUTP	No specific treatment.
	Cyanine-5-dUTP	No specific treatment.

Section 4. First aid measures

	2X HI-RPM Hybridization Buffer	No specific treatment.
	10X aCGH Blocking Agent	No specific treatment.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific treatment.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific treatment.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific treatment.
Protection of first-aiders	: <input checked="" type="checkbox"/> Nuclease Free Water	No action shall be taken involving any personal risk or without suitable training.
	Random Primers	No action shall be taken involving any personal risk or without suitable training.
	5X gDNA Reaction Buffer	No action shall be taken involving any personal risk or without suitable training.
	Alu I	No action shall be taken involving any personal risk or without suitable training.
	Rsa I	No action shall be taken involving any personal risk or without suitable training.
	10X Restriction Enzyme Buffer	No action shall be taken involving any personal risk or without suitable training.
	BSA	No action shall be taken involving any personal risk or without suitable training.
	Exo(-) Klenow	No action shall be taken involving any personal risk or without suitable training.
	Cyanine-3-dUTP	No action shall be taken involving any personal risk or without suitable training.
	Cyanine-5-dUTP	No action shall be taken involving any personal risk or without suitable training.
	2X HI-RPM Hybridization Buffer	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
	10X aCGH Blocking Agent	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures


[Extinguishing media](#)

Section 5. Firefighting measures

Suitable extinguishing media	: <input checked="" type="checkbox"/> Nuclease Free Water	Use an extinguishing agent suitable for the surrounding fire.
	Random Primers	Use an extinguishing agent suitable for the surrounding fire.
	5X gDNA Reaction Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Alu I	Use an extinguishing agent suitable for the surrounding fire.
	Rsa I	Use an extinguishing agent suitable for the surrounding fire.
	10X Restriction Enzyme Buffer	Use an extinguishing agent suitable for the surrounding fire.
	BSA	Use an extinguishing agent suitable for the surrounding fire.
	Exo(-) Klenow	Use an extinguishing agent suitable for the surrounding fire.
	Cyanine-3-dUTP	Use an extinguishing agent suitable for the surrounding fire.
	Cyanine-5-dUTP	Use an extinguishing agent suitable for the surrounding fire.
	2X HI-RPM Hybridization Buffer	Use an extinguishing agent suitable for the surrounding fire.
	10X aCGH Blocking Agent	Use an extinguishing agent suitable for the surrounding fire.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Use an extinguishing agent suitable for the surrounding fire.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Use an extinguishing agent suitable for the surrounding fire.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Use an extinguishing agent suitable for the surrounding fire.
	Unsuitable extinguishing media	: <input checked="" type="checkbox"/> Nuclease Free Water
Random Primers		None known.
5X gDNA Reaction Buffer		None known.
Alu I		None known.
Rsa I		None known.
10X Restriction Enzyme Buffer		None known.
BSA		None known.
Exo(-) Klenow		None known.
Cyanine-3-dUTP		None known.
Cyanine-5-dUTP		None known.
2X HI-RPM Hybridization Buffer		None known.
10X aCGH Blocking Agent		None known.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1		None known.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2		None known.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K		None known.
Specific hazards arising from the chemical		: <input checked="" type="checkbox"/> Nuclease Free Water
	Random Primers	In a fire or if heated, a pressure increase will occur and the container may burst.
	5X gDNA Reaction Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	Alu I	In a fire or if heated, a pressure increase will occur and the container may burst.
	Rsa I	In a fire or if heated, a pressure increase will occur and the container may burst.

Section 5. Firefighting measures


Hazardous thermal decomposition products

10X Restriction Enzyme Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
BSA	In a fire or if heated, a pressure increase will occur and the container may burst.
Exo(-) Klenow	In a fire or if heated, a pressure increase will occur and the container may burst.
Cyanine-3-dUTP	In a fire or if heated, a pressure increase will occur and the container may burst.
Cyanine-5-dUTP	In a fire or if heated, a pressure increase will occur and the container may burst.
2X HI-RPM Hybridization Buffer	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
10X aCGH Blocking Agent	No specific fire or explosion hazard.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	In a fire or if heated, a pressure increase will occur and the container may burst.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	In a fire or if heated, a pressure increase will occur and the container may burst.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific fire or explosion hazard.
<p>:  Nuclease Free Water</p> <p>Random Primers</p> <p>5X gDNA Reaction Buffer</p>	<p>No specific data.</p> <p>No specific data.</p> <p>Decomposition products may include the following materials:</p> <ul style="list-style-type: none"> carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
Alu I	Decomposition products may include the following materials:
	<ul style="list-style-type: none"> carbon dioxide carbon monoxide metal oxide/oxides
Rsa I	Decomposition products may include the following materials:
	<ul style="list-style-type: none"> carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
10X Restriction Enzyme Buffer	Decomposition products may include the following materials:
	<ul style="list-style-type: none"> carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
BSA	Decomposition products may include the following materials:
	<ul style="list-style-type: none"> carbon dioxide carbon monoxide
Exo(-) Klenow	Decomposition products may include the following materials:
	<ul style="list-style-type: none"> carbon dioxide carbon monoxide
Cyanine-3-dUTP	No specific data.
Cyanine-5-dUTP	No specific data.
2X HI-RPM Hybridization Buffer	Decomposition products may include the following materials:
	<ul style="list-style-type: none"> carbon dioxide

Section 5. Firefighting measures

		carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
	10X aCGH Blocking Agent	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides halogenated compounds
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Decomposition products may include the following materials: metal oxide/oxides
Special protective actions for fire-fighters	: Nuclease Free Water	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.
	Random Primers	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	5X gDNA Reaction Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Alu 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.
	Rsa 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.
	10X Restriction Enzyme 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.
	BSA	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.
	Exo(-) Klenow	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.
	Cyanine-3-dUTP	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.
	Cyanine-5-dUTP	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 HI-RPM Hybridization Buffer	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No

Section 5. Firefighting measures

		action shall be taken involving any personal risk or without suitable training.
	10X aCGH Blocking Agent	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.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	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	:  Nuclease Free Water	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Random Primers	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	5X gDNA Reaction Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Alu I	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Rsa I	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	10X Restriction Enzyme Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	BSA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Exo(-) Klenow	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Cyanine-3-dUTP	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Cyanine-5-dUTP	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	2X HI-RPM Hybridization Buffer	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	10X aCGH Blocking Agent	Fire-fighters should wear appropriate protective

Section 5. Firefighting measures

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Nuclease Free Water	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.
Random Primers		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.
5X gDNA Reaction Buffer		No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
Alu I		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.
Rsa I		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.
10X Restriction Enzyme 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.
BSA		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.
Exo(-) Klenow		No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected

Section 6. Accidental release measures

Cyanine-3-dUTP	personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
Cyanine-5-dUTP	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 HI-RPM Hybridization 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. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
10X aCGH Blocking Agent	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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders :  Nuclease Free Water

Random Primers	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
5X gDNA Reaction 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".
Alu I	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on

Section 6. Accidental release measures

Rsa I	suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
10X Restriction Enzyme 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".
BSA	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".
Exo(-) Klenow	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".
Cyanine-3-dUTP	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".
Cyanine-5-dUTP	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 HI-RPM Hybridization 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".
10X aCGH Blocking Agent	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".
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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".
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions :  Nuclease Free Water

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

Random Primers

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

5X gDNA Reaction Buffer

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

Alu I

Avoid dispersal of spilt material and runoff and

Section 6. Accidental release measures

	contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Rsa 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).
10X Restriction Enzyme 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).
BSA	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).
Exo(-) Klenow	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).
Cyanine-3-dUTP	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).
Cyanine-5-dUTP	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 HI-RPM Hybridization Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
10X aCGH Blocking Agent	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).
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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).
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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).
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

[Methods and material for containment and cleaning up](#)

Section 6. Accidental release measures

Methods for cleaning up	: Nuclease Free Water	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Random Primers	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	5X gDNA Reaction Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	Alu 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.
	Rsa 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.
	10X Restriction Enzyme 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.
	BSA	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.
	Exo(-) Klenow	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.
	Cyanine-3-dUTP	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.
	Cyanine-5-dUTP	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 HI-RPM Hybridization Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

10X aCGH Blocking Agent	disposal container. Dispose of via a licensed waste disposal contractor. Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage


Precautions for safe handling

Protective measures

: Nuclease Free Water	Put on appropriate personal protective equipment (see Section 8).
Random Primers	Put on appropriate personal protective equipment (see Section 8).
5X gDNA Reaction Buffer	Put on appropriate personal protective equipment (see Section 8).
Alu I	Put on appropriate personal protective equipment (see Section 8).
Rsa I	Put on appropriate personal protective equipment (see Section 8).
10X Restriction Enzyme Buffer	Put on appropriate personal protective equipment (see Section 8).
BSA	Put on appropriate personal protective equipment (see Section 8).
Exo(-) Klenow	Put on appropriate personal protective equipment (see Section 8).
Cyanine-3-dUTP	Put on appropriate personal protective equipment (see Section 8).
Cyanine-5-dUTP	Put on appropriate personal protective equipment (see Section 8).
2X HI-RPM Hybridization Buffer	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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.
10X aCGH Blocking Agent	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in


Section 7. Handling and storage

Advice on general occupational hygiene

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).	use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).	
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Put on appropriate personal protective equipment (see Section 8).	
:  Nuclease Free Water		Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Random Primers		Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
5X gDNA Reaction 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.
Alu 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.
Rsa 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.
10X Restriction Enzyme 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.
BSA		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.
Exo(-) Klenow		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

Section 7. Handling and storage

Cyanine-3-dUTP	before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Cyanine-5-dUTP	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 HI-RPM Hybridization 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.
10X aCGH Blocking Agent	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.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 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.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities :  Nuclease Free Water

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

Section 7. Handling and storage

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

Section 7. Handling and storage

Exo(-) Klenow	environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Cyanine-3-dUTP	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.
Cyanine-5-dUTP	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 HI-RPM Hybridization Buffer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
10X aCGH Blocking Agent	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to

Section 7. Handling and storage

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2

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

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

SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K

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

Section 8. Exposure controls and personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Alu I Glycerol Trisodium citrate	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours. DFG MAC-values list (Germany, 7/2017). CEIL: 2 mg/m ³
Rsa I Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours.
Exo(-) Klenow Glycerol	Safe Work Australia (Australia, 1/2014). TWA: 10 mg/m ³ 8 hours.
2X HI-RPM Hybridization Buffer Lithium chloride	DFG MAC-values list (Germany, 7/2017). TWA: 0.2 mg/m ³ , (as Li) 8 hours. Form: Inhalable fraction PEAK: 0.2 mg/m ³ , (as Li), 4 times per shift, 15 minutes. Form: Inhalable fraction

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

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

Section 8. Exposure controls and personal protection

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 and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
- 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.

Section 9. Physical and chemical properties

Appearance

Physical state	:	<ul style="list-style-type: none"> ☑ Nuclease Free Water Liquid. Random Primers Liquid. 5X gDNA Reaction Buffer Liquid. Alu I Liquid. Rsa I Liquid. 10X Restriction Enzyme Liquid. Buffer BSA Liquid. Exo(-) Klenow Liquid. Cyanine-3-dUTP Liquid. Cyanine-5-dUTP Liquid. 2X HI-RPM Hybridization Liquid. Buffer 10X aCGH Blocking Agent Solid. [lyophilised pellets] Agilent Oligo aCGH/ChIP-on- Liquid. Chip Wash Buffer 1 Agilent Oligo aCGH/ChIP-on- Liquid. Chip Wash Buffer 2 SurePrint G3 CGH+SNP or Solid. Cancer CGH+SNP arrays, 4x180K
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Section 9. Physical and chemical properties

Colour	:	<input checked="" type="checkbox"/> Nuclease Free Water	Colourless.		
		Random Primers	Not available.		
		5X gDNA Reaction Buffer	Not available.		
		Alu I	Not available.		
		Rsa I	Not available.		
		10X Restriction Enzyme Buffer	Not available.		
		BSA	Not available.		
		Exo(-) Klenow	Not available.		
		Cyanine-3-dUTP	Not available.		
		Cyanine-5-dUTP	Not available.		
		2X HI-RPM Hybridization Buffer	Not available.		
		10X aCGH Blocking Agent	Not available.		
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.		
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.		
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.		
		Odour	:	<input checked="" type="checkbox"/> Nuclease Free Water	Odourless.
				Random Primers	Not available.
				5X gDNA Reaction Buffer	Not available.
				Alu I	Not available.
				Rsa I	Not available.
10X Restriction Enzyme Buffer	Not available.				
BSA	Not available.				
Exo(-) Klenow	Not available.				
Cyanine-3-dUTP	Not available.				
Cyanine-5-dUTP	Not available.				
2X HI-RPM Hybridization Buffer	Not available.				
10X aCGH Blocking Agent	Not available.				
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.				
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.				
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.				
Odour threshold	:			<input checked="" type="checkbox"/> Nuclease Free Water	Not available.
				Random Primers	Not available.
				5X gDNA Reaction Buffer	Not available.
				Alu I	Not available.
				Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.		
		BSA	Not available.		
		Exo(-) Klenow	Not available.		
		Cyanine-3-dUTP	Not available.		
		Cyanine-5-dUTP	Not available.		
		2X HI-RPM Hybridization Buffer	Not available.		
		10X aCGH Blocking Agent	Not available.		
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.		
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.		
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.		

Section 9. Physical and chemical properties

pH	:	☑ Nuclease Free Water	7	
		Random Primers	8	
		5X gDNA Reaction Buffer	7.5	
		Alu I	7.4	
		Rsa I	7.4	
		10X Restriction Enzyme Buffer	7.9	
		BSA	Not available.	
		Exo(-) Klenow	7.5	
		Cyanine-3-dUTP	Not available.	
		Cyanine-5-dUTP	Not available.	
		2X HI-RPM Hybridization Buffer	6.1	
		10X aCGH Blocking Agent	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	8.2 to 8.6	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	8 to 8.4	
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.	
	Melting point	:	☑ Nuclease Free Water	0°C (32°F)
			Random Primers	0°C (32°F)
			5X gDNA Reaction Buffer	0°C (32°F)
			Alu I	Not available.
			Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.	
		BSA	0°C (32°F)	
		Exo(-) Klenow	Not available.	
		Cyanine-3-dUTP	0°C (32°F)	
		Cyanine-5-dUTP	0°C (32°F)	
		2X HI-RPM Hybridization Buffer	Not available.	
		10X aCGH Blocking Agent	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	0°C (32°F)	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	0°C (32°F)	
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.	
Boiling point		:	☑ Nuclease Free Water	100°C (212°F)
			Random Primers	100°C (212°F)
			5X gDNA Reaction Buffer	100°C (212°F)
			Alu I	Not available.
			Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.	
		BSA	100°C (212°F)	
		Exo(-) Klenow	Not available.	
		Cyanine-3-dUTP	100°C (212°F)	
		Cyanine-5-dUTP	100°C (212°F)	
		2X HI-RPM Hybridization Buffer	Not available.	
		10X aCGH Blocking Agent	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	100°C (212°F)	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	100°C (212°F)	
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.	

Section 9. Physical and chemical properties

Flash point	:	☑ Nuclease Free Water	Not applicable.	
		Random Primers	Not available.	
		5X gDNA Reaction Buffer	Not available.	
		Alu I	Not available.	
		Rsa I	Not available.	
		10X Restriction Enzyme Buffer	Not available.	
		BSA	Not available.	
		Exo(-) Klenow	Not available.	
		Cyanine-3-dUTP	Not available.	
		Cyanine-5-dUTP	Not available.	
		2X HI-RPM Hybridization Buffer	Not available.	
		10X aCGH Blocking Agent	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.	
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.	
	Evaporation rate	:	☑ Nuclease Free Water	Not available.
			Random Primers	Not available.
			5X gDNA Reaction Buffer	Not available.
			Alu I	Not available.
			Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.	
		BSA	Not available.	
		Exo(-) Klenow	Not available.	
		Cyanine-3-dUTP	Not available.	
		Cyanine-5-dUTP	Not available.	
		2X HI-RPM Hybridization Buffer	Not available.	
		10X aCGH Blocking Agent	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.	
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.	
Flammability (solid, gas)		:	☑ Nuclease Free Water	Not applicable.
			Random Primers	Not applicable.
			5X gDNA Reaction Buffer	Not applicable.
			Alu I	Not applicable.
			Rsa I	Not applicable.
		10X Restriction Enzyme Buffer	Not applicable.	
		BSA	Not applicable.	
		Exo(-) Klenow	Not applicable.	
		Cyanine-3-dUTP	Not applicable.	
		Cyanine-5-dUTP	Not applicable.	
		2X HI-RPM Hybridization Buffer	Not applicable.	
		10X aCGH Blocking Agent	Not available.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.	
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays,	Not available.	

Section 9. Physical and chemical properties

	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	10X aCGH Blocking Agent	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.
Auto-ignition temperature	<input checked="" type="checkbox"/> Nuclease Free Water	Not applicable.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Exo(-) Klenow	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	10X aCGH Blocking Agent	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.
Decomposition temperature	<input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Exo(-) Klenow	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	10X aCGH Blocking Agent	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.
Viscosity	<input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.

Section 9. Physical and chemical properties

Exo(-) Klenow	Not available.
Cyanine-3-dUTP	Not available.
Cyanine-5-dUTP	Not available.
2X HI-RPM Hybridization Buffer	Not available.
10X aCGH Blocking Agent	Not available.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.

Section 10. Stability and reactivity

Reactivity	:	☑ Nuclease Free Water	No specific test data related to reactivity available for this product or its ingredients.
		Random Primers	No specific test data related to reactivity available for this product or its ingredients.
		5X gDNA Reaction Buffer	No specific test data related to reactivity available for this product or its ingredients.
		Alu I	No specific test data related to reactivity available for this product or its ingredients.
		Rsa I	No specific test data related to reactivity available for this product or its ingredients.
		10X Restriction Enzyme Buffer	No specific test data related to reactivity available for this product or its ingredients.
		BSA	No specific test data related to reactivity available for this product or its ingredients.
		Exo(-) Klenow	No specific test data related to reactivity available for this product or its ingredients.
		Cyanine-3-dUTP	No specific test data related to reactivity available for this product or its ingredients.
		Cyanine-5-dUTP	No specific test data related to reactivity available for this product or its ingredients.
		2X HI-RPM Hybridization Buffer	No specific test data related to reactivity available for this product or its ingredients.
		10X aCGH Blocking Agent	No specific test data related to reactivity available for this product or its ingredients.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific test data related to reactivity available for this product or its ingredients.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific test data related to reactivity available for this product or its ingredients.
		SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific test data related to reactivity available for this product or its ingredients.

Chemical stability	:	☑ Nuclease Free Water	The product is stable.
		Random Primers	The product is stable.
		5X gDNA Reaction Buffer	The product is stable.
		Alu I	The product is stable.
		Rsa I	The product is stable.
		10X Restriction Enzyme Buffer	The product is stable.
		BSA	The product is stable.
		Exo(-) Klenow	The product is stable.
		Cyanine-3-dUTP	The product is stable.
		Cyanine-5-dUTP	The product is stable.
		2X HI-RPM Hybridization Buffer	The product is stable.
		10X aCGH Blocking Agent	The product is stable.
		Agilent Oligo aCGH/ChIP-on-	The product is stable.

Section 10. Stability and reactivity

Chip Wash Buffer 1
Agilent Oligo aCGH/ChIP-on-
Chip Wash Buffer 2
SurePrint G3 CGH+SNP or
Cancer CGH+SNP arrays,
4x180K

The product is stable.
The product is stable.

Possibility of hazardous reactions

: Nuclease Free Water Under normal conditions of storage and use, hazardous reactions will not occur.

Random Primers Under normal conditions of storage and use, hazardous reactions will not occur.

5X gDNA Reaction Buffer Under normal conditions of storage and use, hazardous reactions will not occur.

Alu I Under normal conditions of storage and use, hazardous reactions will not occur.

Rsa I Under normal conditions of storage and use, hazardous reactions will not occur.

10X Restriction Enzyme Buffer Under normal conditions of storage and use, hazardous reactions will not occur.

BSA Under normal conditions of storage and use, hazardous reactions will not occur.

Exo(-) Klenow Under normal conditions of storage and use, hazardous reactions will not occur.

Cyanine-3-dUTP Under normal conditions of storage and use, hazardous reactions will not occur.

Cyanine-5-dUTP Under normal conditions of storage and use, hazardous reactions will not occur.

2X HI-RPM Hybridization Buffer Under normal conditions of storage and use, hazardous reactions will not occur.

10X aCGH Blocking Agent Under normal conditions of storage and use, hazardous reactions will not occur.

Agilent Oligo aCGH/ChIP-on-
Chip Wash Buffer 1 Under normal conditions of storage and use, hazardous reactions will not occur.

Agilent Oligo aCGH/ChIP-on-
Chip Wash Buffer 2 Under normal conditions of storage and use, hazardous reactions will not occur.

SurePrint G3 CGH+SNP or
Cancer CGH+SNP arrays,
4x180K Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

: Nuclease Free Water No specific data.

Random Primers No specific data.

5X gDNA Reaction Buffer No specific data.

Alu I No specific data.

Rsa I No specific data.

10X Restriction Enzyme Buffer No specific data.

BSA No specific data.

Exo(-) Klenow No specific data.

Cyanine-3-dUTP No specific data.

Cyanine-5-dUTP No specific data.

2X HI-RPM Hybridization Buffer No specific data.

10X aCGH Blocking Agent No specific data.

Agilent Oligo aCGH/ChIP-on-
Chip Wash Buffer 1 No specific data.

Agilent Oligo aCGH/ChIP-on-
Chip Wash Buffer 2 No specific data.

SurePrint G3 CGH+SNP or
Cancer CGH+SNP arrays,
4x180K No specific data.

Section 10. Stability and reactivity

Incompatible materials	: Nuclease Free Water Random Primers 5X gDNA Reaction Buffer Alu I Rsa I 10X Restriction Enzyme Buffer BSA Exo(-) Klenow Cyanine-3-dUTP Cyanine-5-dUTP 2X HI-RPM Hybridization Buffer 10X aCGH Blocking Agent Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
Hazardous decomposition products	: Nuclease Free Water Random Primers 5X gDNA Reaction Buffer Alu I Rsa I 10X Restriction Enzyme Buffer BSA Exo(-) Klenow Cyanine-3-dUTP Cyanine-5-dUTP 2X HI-RPM Hybridization Buffer 10X aCGH Blocking Agent Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 10. Stability and reactivity

SurePrint G3 CGH+SNP or
Cancer CGH+SNP arrays,
4x180K

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

Section 11. Toxicological information

[Information on toxicological effects](#)

[Acute toxicity](#)

Product/ingredient name	Result	Species	Dose	Exposure
Alu I Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Rsa I Glycerol	LD50 Oral	Rat	12600 mg/kg	-
Exo(-) Klenow Glycerol	LD50 Oral	Rat	12600 mg/kg	-
2X HI-RPM Hybridization Buffer Lithium chloride	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Dermal LD50 Oral	Rat Rabbit Rat Rat	>5.57 mg/l 1629 mg/kg 1488 mg/kg 526 mg/kg	4 hours - - -
Polyoxyethylene octyl phenyl ether	LD50 Oral	Rat	1800 mg/kg	-
Lithium dodecyl sulphate	LD50 Oral	Rat	>5000 mg/kg	-
10X aCGH Blocking Agent Trometamol	LD50 Dermal LD50 Oral	Rat Rat	>5000 mg/kg 5000 mg/kg	- -

[Irritation/Corrosion](#)

Product/ingredient name	Result	Species	Score	Exposure	Observation
Alu I Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Rsa I Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
Exo(-) Klenow Glycerol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
2X HI-RPM Hybridization Buffer Lithium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 500 milligrams	-
Polyoxyethylene octyl phenyl ether	Eyes - Moderate irritant	Rabbit	-	24 hours 10 microliters	-

Section 11. Toxicological information

10X aCGH Blocking Agent Trometamol	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-
	Skin - Moderate irritant	Rabbit	-	25 Percent	-
	Skin - Severe irritant	Rabbit	-	500 milligrams	-

Sensitisation

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<input checked="" type="checkbox"/> 2X HI-RPM Hybridization Buffer Lithium chloride	Category 3	Not applicable.	Respiratory tract irritation
Polyoxyethylene octyl phenyl ether	Category 3	Not applicable.	Respiratory tract irritation
Lithium dodecyl sulphate	Category 3	Not applicable.	Respiratory tract irritation
10X aCGH Blocking Agent Trometamol	Category 3	Not applicable.	Respiratory tract irritation
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
2X HI-RPM Hybridization Buffer Lithium chloride	Category 2	Not determined	cardiovascular system, central nervous system (CNS), kidneys and thyroid

Aspiration hazard

Not available.

Information on likely routes of exposure	<input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Alu I	Routes of entry anticipated: Oral, Dermal, Inhalation.
	Rsa I	Routes of entry anticipated: Oral, Dermal, Inhalation.
	10X Restriction Enzyme Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
	BSA	Not available.
Exo(-) Klenow	Routes of entry anticipated: Oral, Dermal, Inhalation.	
Cyanine-3-dUTP	Not available.	

Section 11. Toxicological information

Cyanine-5-dUTP	Not available.
2X HI-RPM Hybridization Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
10X aCGH Blocking Agent	Routes of entry anticipated: Oral, Dermal, Inhalation.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.

Potential acute health effects

Eye contact

<input checked="" type="checkbox"/> Nuclease Free Water Random Primers 5X gDNA Reaction Buffer Alu I Rsa I 10X Restriction Enzyme Buffer BSA Exo(-) Klenow Cyanine-3-dUTP Cyanine-5-dUTP 2X HI-RPM Hybridization Buffer 10X aCGH Blocking Agent Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	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. Causes serious eye damage. 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.
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Inhalation

<input checked="" type="checkbox"/> Nuclease Free Water Random Primers 5X gDNA Reaction Buffer Alu I Rsa I 10X Restriction Enzyme Buffer BSA Exo(-) Klenow Cyanine-3-dUTP Cyanine-5-dUTP 2X HI-RPM Hybridization Buffer 10X aCGH Blocking Agent Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	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. May cause respiratory irritation. May cause respiratory 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.
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Skin contact

<input checked="" type="checkbox"/> Nuclease Free Water Random Primers 5X gDNA Reaction Buffer Alu I Rsa I 10X Restriction Enzyme Buffer BSA	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.
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Section 11. Toxicological information

	Exo(-) Klenow	No known significant effects or critical hazards.
	Cyanine-3-dUTP	No known significant effects or critical hazards.
	Cyanine-5-dUTP	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	Causes skin irritation.
	10X aCGH Blocking Agent	Causes skin irritation.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Ingestion	: Nuclease Free Water	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	Alu I	No known significant effects or critical hazards.
	Rsa I	No known significant effects or critical hazards.
	10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	BSA	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	Cyanine-3-dUTP	No known significant effects or critical hazards.
	Cyanine-5-dUTP	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: pain watering redness
	10X aCGH Blocking Agent	Adverse symptoms may include the following: pain or irritation watering redness
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays,	No specific data.

Section 11. Toxicological information

	4x180K	
Inhalation	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: respiratory tract irritation coughing
	10X aCGH Blocking Agent	Adverse symptoms may include the following: respiratory tract irritation coughing
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific data.
Skin contact	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: pain or irritation redness blistering may occur
	10X aCGH Blocking Agent	Adverse symptoms may include the following: irritation redness
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific data.
Ingestion	: Nuclease Free Water	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Exo(-) Klenow	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.

Section 11. Toxicological information

2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: stomach pains
10X aCGH Blocking Agent	No specific data.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No specific data.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No specific data.
SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No specific data.

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

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

General	: Nuclease Free Water	No known significant effects or critical hazards.
	: Random Primers	No known significant effects or critical hazards.
	: 5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	: Alu I	No known significant effects or critical hazards.
	: Rsa I	No known significant effects or critical hazards.
	: 10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	: BSA	No known significant effects or critical hazards.
	: Exo(-) Klenow	No known significant effects or critical hazards.
	: Cyanine-3-dUTP	No known significant effects or critical hazards.
	: Cyanine-5-dUTP	No known significant effects or critical hazards.
	: 2X HI-RPM Hybridization Buffer	May cause damage to organs through prolonged or repeated exposure.
	: 10X aCGH Blocking Agent	No known significant effects or critical hazards.
	: Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	: Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	: SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Carcinogenicity	: Nuclease Free Water	No known significant effects or critical hazards.
	: Random Primers	No known significant effects or critical hazards.
	: 5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	: Alu I	No known significant effects or critical hazards.
	: Rsa I	No known significant effects or critical hazards.
	: 10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	: BSA	No known significant effects or critical hazards.
	: Exo(-) Klenow	No known significant effects or critical hazards.
	: Cyanine-3-dUTP	No known significant effects or critical hazards.
	: Cyanine-5-dUTP	No known significant effects or critical hazards.
	: 2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	: 10X aCGH Blocking Agent	No known significant effects or critical hazards.
	: Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	: Agilent Oligo aCGH/ChIP-on-	No known significant effects or critical hazards.

Section 11. Toxicological information

	Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	
Mutagenicity	: Nuclease Free Water	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	Alu I	No known significant effects or critical hazards.
	Rsa I	No known significant effects or critical hazards.
	10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	BSA	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	Cyanine-3-dUTP	No known significant effects or critical hazards.
	Cyanine-5-dUTP	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Teratogenicity	: Nuclease Free Water	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	Alu I	No known significant effects or critical hazards.
	Rsa I	No known significant effects or critical hazards.
	10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	BSA	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	Cyanine-3-dUTP	No known significant effects or critical hazards.
	Cyanine-5-dUTP	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Developmental effects	: Nuclease Free Water	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	Alu I	No known significant effects or critical hazards.
	Rsa I	No known significant effects or critical hazards.
	10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	BSA	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	Cyanine-3-dUTP	No known significant effects or critical hazards.
	Cyanine-5-dUTP	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.

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	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.
Fertility effects	: Nuclease Free Water	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.
	5X gDNA Reaction Buffer	No known significant effects or critical hazards.
	Alu I	No known significant effects or critical hazards.
	Rsa I	No known significant effects or critical hazards.
	10X Restriction Enzyme Buffer	No known significant effects or critical hazards.
	BSA	No known significant effects or critical hazards.
	Exo(-) Klenow	No known significant effects or critical hazards.
	Cyanine-3-dUTP	No known significant effects or critical hazards.
	Cyanine-5-dUTP	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No known significant effects or critical hazards.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No known significant effects or critical hazards.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
2X HI-RPM Hybridization Buffer	
Oral	2583.6 mg/kg
Dermal	9381.9 mg/kg
Inhalation (dusts and mists)	16.33 mg/l

Other information	: Nuclease Free Water	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Adverse symptoms may include the following: May cause sensitisation by skin contact.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Exo(-) Klenow	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	10X aCGH Blocking Agent	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K	Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Alu I Glycerol Trisodium citrate	Acute LC50 54000 mg/l Fresh water Acute EC50 735.54 mg/l Fresh water	Fish - Oncorhynchus mykiss Crustaceans - Ceriodaphnia dubia - Neonate	96 hours 48 hours
Rsa I Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
Exo(-) Klenow Glycerol	Acute LC50 54000 mg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
2X HI-RPM Hybridization Buffer Lithium chloride	Acute EC50 112 mg/l Fresh water Acute EC50 249 mg/l Fresh water Acute LC50 17000 µg/l Fresh water	Algae Daphnia Fish - Ptychocheilus lucius - Swim-up	72 hours 48 hours 96 hours
Polyoxyethylene octyl phenyl ether	Acute NOEC 25 mg/l Fresh water Acute NOEC 63.4 mg/l Fresh water Acute NOEC 59.4 mg/l Fresh water Acute LC50 5.85 mg/l Fresh water Acute LC50 11.2 mg/l Fresh water Acute LC50 4500 µg/l Fresh water	Algae Daphnia Fish Crustaceans - Ceriodaphnia rigaudi - Neonate Daphnia - Daphnia magna - Neonate Fish - Pimephales promelas	72 hours 48 hours 96 hours 48 hours 48 hours 96 hours
10X aCGH Blocking Agent Trometamol	Acute EC50 >980 mg/l Fresh water Acute NOEC 520 mg/l Fresh water	Daphnia Daphnia	48 hours 48 hours

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Alu I Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Rsa I Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-
Exo(-) Klenow Glycerol	301D Ready Biodegradability - Closed Bottle Test	93 % - 30 days	-	-

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Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Nuclease Free Water Water	-	-	Readily
2X HI-RPM Hybridization Buffer Lithium chloride	-	-	Readily
Polyoxyethylene octyl phenyl ether	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Nuclease Free Water Water	-1.38	-	low
Alu I Glycerol	-1.76	-	low
Rsa I Glycerol	-1.76	-	low
Exo(-) Klenow Glycerol	-1.76	-	low
2X HI-RPM Hybridization Buffer Polyoxyethylene octyl phenyl ether	4.86	-	high
10X aCGH Blocking Agent Trometamol	-1.56	-	low

Mobility in soil

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

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

Section 13. Disposal considerations

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

Section 14. Transport information

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

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

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

Section 15. Regulatory information

Standard Uniform Schedule of Medicine and Poisons

6, 5

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (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.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 22/10/2018
Date of previous issue : 15/08/2018
Version : 4.1

Key to abbreviations

: ADG = Australian Dangerous Goods
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NOHSC = National Occupational Health and Safety Commission
 SUSMP = Standard Uniform Schedule of Medicine and Poisons
 UN = United Nations

Procedure used to derive the classification

Classification	Justification
2X HI-RPM Hybridization Buffer Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 2, H373 (cardiovascular system, central nervous system (CNS), kidneys, thyroid) Aquatic Acute 3, H402 Aquatic Chronic 3, H412	Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method
10X aCGH Blocking Agent Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335	Calculation method Calculation method Calculation method

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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

Note * : ***SurePrint G3 CGH+SNP or Cancer CGH+SNP arrays, 4x180K:** This component is considered an article. Information provided is based on the encapsulated substance or mixture in this article.