

SAFETY DATA SHEET



SurePrint G3 CGH/CGH+SNP 1x1M Bundle, Part Number G5920A

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

1.1 Product identifier

Product name	: SurePrint G3 CGH/CGH+SNP 1x1M Bundle, Part Number G5920A
Part no. (chemical kit)	: G5920A
Part no.	: <input checked="" type="checkbox"/> Nuclease Free Water 5190-0439 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 5188-5221 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 5188-5222 10X aCGH Blocking Agent 5188-6416 2X HI-RPM Hybridization Buffer 5188-6417 Exo(-) Klenow 5190-0437 Random Primers 5190-0441 5X gDNA Reaction Buffer 5190-3387 10X dNTP Mix 5190-3388 Cyanine-3-dUTP 5190-3389 Cyanine-5-dUTP 5190-3390 Cot-1 DNA 5190-3392 Alu I 5190-3394 Rsa I 5190-3395 10X Restriction Enzyme Buffer 5190-3396 BSA 5190-3397 Human Reference DNA Male 5190-4370 Human Reference DNA Female 5190-4371 10 SurePrint G3 human CGH arrays, 1x1M G3358A, G4123A, G4447-60510, G4506-60510, G4824A, G4828A, G4838A, G4840A, G4855A, G4860A, G4866A, G4882A, G4902A, G5934A

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

Material uses	: Analytical reagent.
<input checked="" type="checkbox"/> Nuclease Free Water	2 x 1500 µl
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	2 x 4000000 µl
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	4000000 µl
10X aCGH Blocking Agent	25 Hybs lyophilised
2X HI-RPM Hybridization Buffer	1400 µl
Exo(-) Klenow	2 x 55 µl
Random Primers	2 x 265 µl
5X gDNA Reaction Buffer	2 x 550 µl
10X dNTP Mix	2 x 265 µl
Cyanine-3-dUTP	2 x 78 µl
Cyanine-5-dUTP	2 x 78 µl
Cot-1 DNA	4 x 625 µl 1 µg/ µl
Alu I	2 x 28 µl 10 U/ µl
Rsa I	2 x 28 µl 10 U/ µl
10X Restriction Enzyme Buffer	142 µl
BSA	2 x 15 µl
Human Reference DNA Male	125 µl 0.2 µg/ µl

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Human Reference DNA Female 125 µl 0.2 µg/ µl
10 SurePrint G3 human CGH arrays, 1x1M glass slide


1.3 Details of the supplier of the safety data sheet

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

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


1.4 Emergency telephone number

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

Note * :  **10 SurePrint G3 human CGH arrays, 1x1M**: This component is considered an article. Information provided is based on the encapsulated substance or mixture in this article.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition	:	 Nuclease Free Water	Mono-constituent substance
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Mixture
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Mixture
		10X aCGH Blocking Agent	Mixture
		2X HI-RPM Hybridization Buffer	Mixture
		Exo(-) Klenow	Mixture
		Random Primers	Mixture
		5X gDNA Reaction Buffer	Mixture
		10X dNTP Mix	Mixture
		Cyanine-3-dUTP	Mixture
		Cyanine-5-dUTP	Mixture
		Cot-1 DNA	Mixture
		Alu I	Mixture
		Rsa I	Mixture
		10X Restriction Enzyme Buffer	Mixture
		BSA	Mixture
		Human Reference DNA Male	Mixture
		Human Reference DNA Female	Mixture
		10 SurePrint G3 human CGH arrays, 1x1M	Mixture (encapsulated in article)

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

SECTION 2: Hazards identification

10X aCGH Blocking Agent

H315	SKIN CORROSION/IRRITATION - Category 2
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H335	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

2X HI-RPM Hybridization

Buffer

H315	SKIN CORROSION/IRRITATION - Category 2
H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H412	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

Ingredients of unknown toxicity

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%
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%
Exo(-) Klenow	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 30 - 60%
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%
10 SurePrint G3 human CGH arrays, 1x1M	Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: > 60%



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Ingredients of unknown ecotoxicity	: 10X aCGH Blocking Agent	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 16.6%
	2X HI-RPM Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 17.9%
	5X gDNA Reaction Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.9%
	10X Restriction Enzyme Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.6%
	BSA	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%

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

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

2.2 Label elements

Hazard pictograms	: 10X aCGH Blocking Agent	
	2X HI-RPM Hybridization Buffer	

Signal word	: Nuclease Free Water	No signal word.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	No signal word.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	No signal word.
	10X aCGH Blocking Agent	Warning
	2X HI-RPM Hybridization Buffer	Warning
	Exo(-) Klenow	No signal word.
	Random Primers	No signal word.
	5X gDNA Reaction Buffer	No signal word.
	10X dNTP Mix	No signal word.
	Cyanine-3-dUTP	No signal word.
	Cyanine-5-dUTP	No signal word.
	Cot-1 DNA	No signal word.
	Alu I	No signal word.
	Rsa I	No signal word.
	10X Restriction Enzyme Buffer	No signal word.
	BSA	No signal word.
	Human Reference DNA Male	No signal word.
	Human Reference DNA Female	No signal word.
	10 SurePrint G3 human CGH arrays, 1x1M	No signal word.

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	Human Reference DNA Female	Not applicable.
	10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.
Response	: Nuclease Free Water	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	10X aCGH Blocking Agent	P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
	2X HI-RPM Hybridization Buffer	P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Exo(-) Klenow	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	10X dNTP Mix	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	Cot-1 DNA	Not applicable.
	Alu I	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme Buffer	Not applicable.
	BSA	Not applicable.
	Human Reference DNA Male	Not applicable.
	Human Reference DNA Female	Not applicable.
	10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.
Storage	: Nuclease Free Water	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	10X aCGH Blocking Agent	P405 - Store locked up.
	2X HI-RPM Hybridization Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	10X dNTP Mix	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	Cot-1 DNA	Not applicable.
	Alu I	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme Buffer	Not applicable.
	BSA	Not applicable.
	Human Reference DNA Male	Not applicable.
	Human Reference DNA Female	Not applicable.

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	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.
Disposal	: Nuclease Free Water	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	10X aCGH Blocking Agent	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	2X HI-RPM Hybridization Buffer	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	Exo(-) Klenow	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	10X dNTP Mix	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	Cot-1 DNA	Not applicable.
	Alu I	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme Buffer	Not applicable.
	BSA	Not applicable.
	Human Reference DNA Male	Not applicable.
	Human Reference DNA Female	Not applicable.
	10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.
Hazardous ingredients	: 10X aCGH Blocking Agent	- Trometamol
		- 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride
	2X HI-RPM Hybridization Buffer	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme Buffer	Not applicable.
Supplemental label elements	: Nuclease Free Water	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	10X aCGH Blocking Agent	Not applicable.
	2X HI-RPM Hybridization Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Contains 2-mercaptoethanol. May produce an allergic reaction. Safety data sheet available on request.
	10X dNTP Mix	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	Cot-1 DNA	Not applicable.
	Alu I	Not applicable.

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SECTION 2: Hazards identification

	Rsa I	Safety data sheet available on request.
	10X Restriction Enzyme Buffer	Safety data sheet available on request.
	BSA	Not applicable.
	Human Reference DNA Male	Not applicable.
	Human Reference DNA Female	Not applicable.
	10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	<input checked="" type="checkbox"/> Nuclease Free Water	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	10X aCGH Blocking Agent	Not applicable.
	2X HI-RPM Hybridization Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	10X dNTP Mix	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	Cot-1 DNA	Not applicable.
	Alu I	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme Buffer	Not applicable.
	BSA	Not applicable.
Human Reference DNA Male	Not applicable.	
Human Reference DNA Female	Not applicable.	
10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.	

Special packaging requirements

Tactile warning of danger	<input checked="" type="checkbox"/> Nuclease Free Water	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
	10X aCGH Blocking Agent	Not applicable.
	2X HI-RPM Hybridization Buffer	Not applicable.
	Exo(-) Klenow	Not applicable.
	Random Primers	Not applicable.
	5X gDNA Reaction Buffer	Not applicable.
	10X dNTP Mix	Not applicable.
	Cyanine-3-dUTP	Not applicable.
	Cyanine-5-dUTP	Not applicable.
	Cot-1 DNA	Not applicable.
	Alu I	Not applicable.
	Rsa I	Not applicable.
	10X Restriction Enzyme	Not applicable.

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SECTION 2: Hazards identification

Buffer	
BSA	Not applicable.
Human Reference DNA Male	Not applicable.
Human Reference DNA Female	Not applicable.
10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	:	☑ Nuclease Free Water	None known.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	None known.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	None known.
		10X aCGH Blocking Agent	None known.
		2X HI-RPM Hybridization Buffer	None known.
		Exo(-) Klenow	None known.
		Random Primers	None known.
		5X gDNA Reaction Buffer	None known.
		10X dNTP Mix	None known.
		Cyanine-3-dUTP	None known.
		Cyanine-5-dUTP	None known.
		Cot-1 DNA	None known.
		Alu I	None known.
		Rsa I	None known.
		10X Restriction Enzyme Buffer	None known.
		BSA	None known.
		Human Reference DNA Male	None known.
		Human Reference DNA Female	None known.
		10 SurePrint G3 human CGH arrays, 1x1M	None known.

SECTION 3: Composition/information on ingredients

3.1 Substances	:	☑ Nuclease Free Water	Mono-constituent substance
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Mixture
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Mixture
		10X aCGH Blocking Agent	Mixture
		2X HI-RPM Hybridization Buffer	Mixture
		Exo(-) Klenow	Mixture
		Random Primers	Mixture
		5X gDNA Reaction Buffer	Mixture
		10X dNTP Mix	Mixture
		Cyanine-3-dUTP	Mixture
		Cyanine-5-dUTP	Mixture
		Cot-1 DNA	Mixture
		Alu I	Mixture
		Rsa I	Mixture
		10X Restriction Enzyme Buffer	Mixture
		BSA	Mixture
		Human Reference DNA Male	Mixture
		Human Reference DNA Female	Mixture

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SECTION 3: Composition/information on ingredients

10 SurePrint G3 human CGH arrays, 1x1M Mixture (encapsulated in article)

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Type
Nuclease Free Water Water	REACH #: Annex IV EC: 231-791-2 CAS: 7732-18-5	100	Not classified.	[A]
10X aCGH Blocking Agent Trometamol	EC: 201-064-4 CAS: 77-86-1	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≥10 - ≤25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
2X HI-RPM Hybridization Buffer Lithium chloride	EC: 231-212-3 CAS: 7447-41-8	≤12	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
Polyoxyethylene octyl phenyl ether	CAS: 9002-93-1	≤6.4	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	[1] [5]
Lithium dodecyl sulphate	EC: 218-058-2 CAS: 2044-56-6	≤6.4	Flam. Sol. 1, H228 Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412	[1]
Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyloxy)-1-disiloxanyl]propyl] ether	CAS: 134180-76-0	≤3	Acute Tox. 4, H312 Acute Tox. 4, H332 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	[1]
Exo(-) Klenow Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
5X gDNA Reaction Buffer 2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
Alu I Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
Rsa I Glycerol	REACH #: Annex V EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
Sodium chloride	EC: 231-598-3 CAS: 7647-14-5	≤3	Eye Irrit. 2, H319	[1]

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10X Restriction Enzyme Buffer Sodium chloride	EC: 231-598-3 CAS: 7647-14-5	≤3	Eye Irrit. 2, H319	[1]
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	EC: 214-684-5 CAS: 1185-53-1	≤3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
See Section 16 for the full text of the H statements declared above.				

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

Type

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

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact

: Nuclease Free Water

Agilent Oligo aCGH/
ChIP-on-Chip Wash
Buffer 1

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

10X aCGH Blocking
Agent

2X HI-RPM Hybridization
Buffer

Exo(-) Klenow

Random Primers

5X gDNA Reaction Buffer

10X dNTP Mix

Cyanine-3-dUTP

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

SECTION 4: First aid measures

Cot-1 DNA	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.
Human Reference DNA Male	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.
Human Reference DNA Female	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.
10 SurePrint G3 human CGH arrays, 1x1M	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation

: Nuclease Free Water	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 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.
10X aCGH Blocking Agent	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 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.
2X HI-RPM Hybridization Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.


SECTION 4: First aid measures

Exo(-) Klenow	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Random Primers	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
5X gDNA Reaction Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
10X dNTP Mix	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Cyanine-3-dUTP	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Cyanine-5-dUTP	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Cot-1 DNA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Alu I	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Rsa I	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
10X Restriction Enzyme Buffer	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
BSA	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Human Reference DNA Male	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Human Reference DNA Female	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
10 SurePrint G3 human CGH arrays, 1x1M	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.
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 medical attention if symptoms occur.
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.

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2X HI-RPM Hybridization Buffer	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.
Exo(-) Klenow	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.
10X dNTP Mix	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.
Cot-1 DNA	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.
Human Reference DNA Male	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Human Reference DNA Female	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
10 SurePrint G3 human CGH arrays, 1x1M	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:  Nuclease Free Water
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

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10X aCGH Blocking Agent	conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
2X HI-RPM Hybridization Buffer	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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.
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.
10X dNTP Mix	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
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 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

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Cot-1 DNA	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. 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.
Human Reference DNA Male	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.
Human Reference DNA Female	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.
10 SurePrint G3 human CGH arrays, 1x1M	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Protection of first-aiders : Nuclease Free Water

No action shall be taken involving any personal risk or without suitable training.

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.

10X aCGH Blocking

No action shall be taken involving any personal risk or

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Agent	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.
2X HI-RPM Hybridization Buffer	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Exo(-) Klenow	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.
10X dNTP Mix	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.
Cot-1 DNA	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.
Human Reference DNA Male	No action shall be taken involving any personal risk or without suitable training.
Human Reference DNA Female	No action shall be taken involving any personal risk or without suitable training.
10 SurePrint G3 human CGH arrays, 1x1M	No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact

<ul style="list-style-type: none"> • Nuclease Free Water Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 10X aCGH Blocking Agent 2X HI-RPM Hybridization Buffer Exo(-) Klenow Random Primers 5X gDNA Reaction Buffer 10X dNTP Mix Cyanine-3-dUTP Cyanine-5-dUTP Cot-1 DNA Alu I Rsa I 10X Restriction Enzyme Buffer 	<ul style="list-style-type: none"> No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. Causes serious eye irritation. Causes serious eye irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
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	BSA	No known significant effects or critical hazards.
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Inhalation	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	May cause respiratory irritation.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Skin contact	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Causes skin irritation.
	2X HI-RPM Hybridization Buffer	Causes skin irritation.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No known significant effects or critical hazards.

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	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Ingestion	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Adverse symptoms may include the following: pain or irritation watering redness
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: pain or irritation watering redness
	Exo(-) Klenow	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	10X dNTP Mix	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	Cot-1 DNA	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme	No specific data.

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	Buffer	
	BSA	No specific data.
	Human Reference DNA	No specific data.
	Male	
	Human Reference DNA	No specific data.
	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	No specific data.
Inhalation	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Adverse symptoms may include the following: respiratory tract irritation coughing
	2X HI-RPM Hybridization Buffer	No specific data.
	Exo(-) Klenow	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	10X dNTP Mix	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	Cot-1 DNA	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Human Reference DNA	No specific data.
	Male	
	Human Reference DNA	No specific data.
	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	No specific data.
Skin contact	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Adverse symptoms may include the following: irritation redness
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: irritation redness
	Exo(-) Klenow	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	10X dNTP Mix	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	Cot-1 DNA	No specific data.

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Ingestion

Alu I	No specific data.
Rsa I	No specific data.
10X Restriction Enzyme Buffer	No specific data.
BSA	No specific data.
Human Reference DNA Male	No specific data.
Human Reference DNA Female	No specific data.
10 SurePrint G3 human CGH arrays, 1x1M	No specific data.
<input checked="" type="checkbox"/> Nuclease Free Water	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.
10X aCGH Blocking Agent	No specific data.
2X HI-RPM Hybridization Buffer	No specific data.
Exo(-) Klenow	No specific data.
Random Primers	No specific data.
5X gDNA Reaction Buffer	No specific data.
10X dNTP Mix	No specific data.
Cyanine-3-dUTP	No specific data.
Cyanine-5-dUTP	No specific data.
Cot-1 DNA	No specific data.
Alu I	No specific data.
Rsa I	No specific data.
10X Restriction Enzyme Buffer	No specific data.
BSA	No specific data.
Human Reference DNA Male	No specific data.
Human Reference DNA Female	No specific data.
10 SurePrint G3 human CGH arrays, 1x1M	No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

<input checked="" type="checkbox"/> Nuclease Free Water	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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.
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.
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.
Exo(-) Klenow	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,

SECTION 4: First aid measures

		symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	10X dNTP Mix	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.
	Cot-1 DNA	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	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.
	Human Reference DNA Male	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Human Reference DNA Female	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	10 SurePrint G3 human CGH arrays, 1x1M	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	No specific treatment.
	2X HI-RPM Hybridization Buffer	No specific treatment.
	Exo(-) Klenow	No specific treatment.
	Random Primers	No specific treatment.
	5X gDNA Reaction Buffer	No specific treatment.
	10X dNTP Mix	No specific treatment.
	Cyanine-3-dUTP	No specific treatment.
	Cyanine-5-dUTP	No specific treatment.
	Cot-1 DNA	No specific treatment.
	Alu I	No specific treatment.
	Rsa I	No specific treatment.
	10X Restriction Enzyme Buffer	No specific treatment.
	BSA	No specific treatment.
	Human Reference DNA Male	No specific treatment.
	Human Reference DNA Female	No specific treatment.
	10 SurePrint G3 human CGH arrays, 1x1M	No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	☑ Nuclease Free Water	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.
		10X aCGH Blocking Agent	Use an extinguishing agent suitable for the surrounding fire.
		2X HI-RPM Hybridization Buffer	Use an extinguishing agent suitable for the surrounding fire.
		Exo(-) Klenow	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.
		10X dNTP Mix	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.
		Cot-1 DNA	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.
		Human Reference DNA Male	Use an extinguishing agent suitable for the surrounding fire.
		Human Reference DNA Female	Use an extinguishing agent suitable for the surrounding fire.
		10 SurePrint G3 human CGH arrays, 1x1M	Use an extinguishing agent suitable for the surrounding fire.
		Unsuitable extinguishing media	:
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	None known.		
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	None known.		
10X aCGH Blocking Agent	None known.		
2X HI-RPM Hybridization Buffer	None known.		
Exo(-) Klenow	None known.		
Random Primers	None known.		
5X gDNA Reaction Buffer	None known.		
10X dNTP Mix	None known.		
Cyanine-3-dUTP	None known.		
Cyanine-5-dUTP	None known.		
Cot-1 DNA	None known.		
Alu I	None known.		
Rsa I	None known.		
10X Restriction Enzyme Buffer	None known.		
BSA	None known.		
Human Reference DNA Male	None known.		
Human Reference DNA Female	None known.		
10 SurePrint G3 human CGH arrays, 1x1M	None known.		

SECTION 5: Firefighting measures

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	: Nuclease Free Water	In a fire or if heated, a pressure increase will occur and the container may burst.
	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.
	10X aCGH Blocking Agent	No specific fire or explosion hazard.
	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.
	Exo(-) Klenow	In a fire or if heated, a pressure increase will occur and the container may burst.
	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	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.
	Human Reference DNA Male	In a fire or if heated, a pressure increase will occur and the container may burst.
	Human Reference DNA Female	In a fire or if heated, a pressure increase will occur and the container may burst.
	10 SurePrint G3 human CGH arrays, 1x1M	No specific fire or explosion hazard.
Hazardous combustion products	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides halogenated compounds
	2X HI-RPM Hybridization Buffer	Decomposition products may include the following materials:

SECTION 5: Firefighting measures

	carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
Exo(-) Klenow	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Random Primers	No specific data.
5X gDNA Reaction Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds
10X dNTP Mix	No specific data.
Cyanine-3-dUTP	No specific data.
Cyanine-5-dUTP	No specific data.
Cot-1 DNA	No specific data.
Alu I	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
Rsa I	Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
10X Restriction Enzyme Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
BSA	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Human Reference DNA Male	No specific data.
Human Reference DNA Female	No specific data.
10 SurePrint G3 human CGH arrays, 1x1M	Decomposition products may include the following materials: metal oxide/oxides

5.3 Advice for firefighters

Special precautions 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.
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.
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.
2X HI-RPM	Promptly isolate the scene by removing all persons from the

SECTION 5: Firefighting measures

Hybridization Buffer	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.
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.
10X dNTP Mix	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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.
Cot-1 DNA	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.
Human Reference DNA Male	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.
Human Reference DNA Female	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.
10 SurePrint G3 human CGH arrays, 1x1M	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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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10X aCGH Blocking Agent	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
2X 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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
10X dNTP Mix	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Cot-1 DNA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Rsa I	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full

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10X Restriction Enzyme Buffer	face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
BSA	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Human Reference DNA Male	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
Human Reference DNA Female	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
10 SurePrint G3 human CGH arrays, 1x1M	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	:  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.
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.
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.
2X HI-RPM Hybridization Buffer		No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas.

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	Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 personnel from entering. Do not touch or walk through spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
10X dNTP Mix	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
Cyanine-3-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 spilled 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 spilled material. Put on appropriate personal protective equipment.
Cot-1 DNA	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
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 spilled 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 spilled 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 spilled 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 spilled material. Put on appropriate personal protective equipment.
Human Reference DNA Male	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas.

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

Human Reference DNA Female

10 SurePrint G3 human CGH arrays, 1x1M

For emergency responders

: Nuclease Free Water

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".

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".

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".

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".

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".

10X dNTP Mix

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

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".

Cot-1 DNA

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,

SECTION 6: Accidental release measures

	take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Rsa I	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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".
Human Reference DNA Male	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".
Human Reference DNA Female	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".
10 SurePrint G3 human CGH arrays, 1x1M	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: 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).
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).
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).
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.
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).
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

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10X dNTP Mix	(sewers, waterways, soil or air). Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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).
Cot-1 DNA	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 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).
Human Reference DNA Male	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).
Human Reference DNA Female	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).
10 SurePrint G3 human CGH arrays, 1x1M	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

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.
	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

SECTION 6: Accidental release measures

	of via a licensed waste disposal contractor.
10X aCGH Blocking Agent	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.
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.
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.
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.
10X dNTP Mix	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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.
Cot-1 DNA	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.

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SECTION 6: Accidental release measures

	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.
Human Reference DNA Male	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.
Human Reference DNA Female	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.
10 SurePrint G3 human CGH arrays, 1x1M	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.

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures	:	Nuclease Free Water	Put on appropriate personal protective equipment (see Section 8).
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Put on appropriate personal protective equipment (see Section 8).
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Put on appropriate personal protective equipment (see Section 8).
		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 use. Empty containers retain product residue and can be hazardous. Do not reuse container.
		2X HI-RPM Hybridization Buffer	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Avoid release to the environment. 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.
		Exo(-) Klenow	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).
		10X dNTP Mix	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).
		Cot-1 DNA	Put on appropriate personal protective equipment (see Section 8).

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Advice on general occupational hygiene

	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).
Human Reference DNA Male	Put on appropriate personal protective equipment (see Section 8).
Human Reference DNA Female	Put on appropriate personal protective equipment (see Section 8).
10 SurePrint G3 human CGH arrays, 1x1M	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.
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.
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.
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.
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 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

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10X dNTP Mix	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-3-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.
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.
Cot-1 DNA	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.
Human Reference DNA Male	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.
Human Reference DNA Female	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.
10 SurePrint G3 human	Eating, drinking and smoking should be prohibited in areas

SECTION 7: Handling and storage

CGH arrays, 1x1M

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

7.2 Conditions for safe storage, including any incompatibilities

Storage

: 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.

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 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 2

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

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.

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. 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.

Exo(-) Klenow

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

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	<p>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.</p>
Random Primers	<p>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.</p>
5X gDNA Reaction Buffer	<p>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.</p>
10X dNTP Mix	<p>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.</p>
Cyanine-3-dUTP	<p>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.</p>
Cyanine-5-dUTP	<p>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.</p>
Cot-1 DNA	<p>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</p>

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	<p>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.</p>
Alu I	<p>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.</p>
Rsa I	<p>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.</p>
10X Restriction Enzyme Buffer	<p>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.</p>
BSA	<p>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.</p>
Human Reference DNA Male	<p>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.</p>
Human Reference DNA Female	<p>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</p>

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10 SurePrint G3 human CGH arrays, 1x1M

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.

7.3 Specific end use(s)

Recommendations

<input checked="" type="checkbox"/>	Nuclease Free Water	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	10X aCGH Blocking Agent	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	2X HI-RPM Hybridization Buffer	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Exo(-) Klenow	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Random Primers	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	5X gDNA Reaction Buffer	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	10X dNTP Mix	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Cyanine-3-dUTP	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Cyanine-5-dUTP	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Cot-1 DNA	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Alu I	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Rsa I	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	10X Restriction Enzyme Buffer	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	BSA	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Human Reference DNA Male	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	Human Reference DNA Female	Industrial applications, Professional applications.
<input checked="" type="checkbox"/>	10 SurePrint G3 human CGH arrays, 1x1M	Industrial applications, Professional applications.

Industrial sector specific solutions

<input checked="" type="checkbox"/>	Nuclease Free Water	Not applicable.
<input checked="" type="checkbox"/>	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
<input checked="" type="checkbox"/>	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
<input checked="" type="checkbox"/>	10X aCGH Blocking Agent	Not applicable.
<input checked="" type="checkbox"/>	2X HI-RPM Hybridization Buffer	Not applicable.
<input checked="" type="checkbox"/>	Exo(-) Klenow	Not applicable.
<input checked="" type="checkbox"/>	Random Primers	Not applicable.
<input checked="" type="checkbox"/>	5X gDNA Reaction Buffer	Not applicable.
<input checked="" type="checkbox"/>	10X dNTP Mix	Not applicable.
<input checked="" type="checkbox"/>	Cyanine-3-dUTP	Not applicable.
<input checked="" type="checkbox"/>	Cyanine-5-dUTP	Not applicable.
<input checked="" type="checkbox"/>	Cot-1 DNA	Not applicable.

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Alu I	Not applicable.
Rsa I	Not applicable.
10X Restriction Enzyme	Not applicable.
Buffer	
BSA	Not applicable.
Human Reference DNA	Not applicable.
Male	
Human Reference DNA	Not applicable.
Female	
10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Exo(-) Klenow Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
Alu I Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist
Rsa I Glycerol	EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 10 mg/m ³ 8 hours. Form: Mist

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

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : 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.

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.

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SECTION 8: Exposure controls/personal protection

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	☑ Nuclease Free Water	Liquid.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Liquid.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Liquid.
		10X aCGH Blocking Agent	Solid. [lyophilised pellets]
		2X HI-RPM Hybridization Buffer	Liquid.
		Exo(-) Klenow	Liquid.
		Random Primers	Liquid.
		5X gDNA Reaction Buffer	Liquid.
		10X dNTP Mix	Liquid.
		Cyanine-3-dUTP	Liquid.
		Cyanine-5-dUTP	Liquid.
		Cot-1 DNA	Liquid.
		Alu I	Liquid.
		Rsa I	Liquid.
		10X Restriction Enzyme Buffer	Liquid.
		BSA	Liquid.
		Human Reference DNA Male	Liquid.
		Human Reference DNA Female	Liquid.

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	10 SurePrint G3 human CGH arrays, 1x1M	Solid. [glass slide]
Colour	: <input checked="" type="checkbox"/> Nuclease Free Water	Colourless.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
Odour	: <input checked="" type="checkbox"/> Nuclease Free Water	Odourless.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.

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		CGH arrays, 1x1M	
Odour threshold	:	☑ Nuclease Free Water	Not available.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
		10X aCGH Blocking Agent	Not available.
		2X HI-RPM Hybridization Buffer	Not available.
		Exo(-) Klenow	Not available.
		Random Primers	Not available.
		5X gDNA Reaction Buffer	Not available.
		10X dNTP Mix	Not available.
		Cyanine-3-dUTP	Not available.
		Cyanine-5-dUTP	Not available.
		Cot-1 DNA	Not available.
		Alu I	Not available.
		Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.
		BSA	Not available.
		Human Reference DNA Male	Not available.
		Human Reference DNA Female	Not available.
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.
pH	:	☑ Nuclease Free Water	7
		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
		10X aCGH Blocking Agent	Not available.
		2X HI-RPM Hybridization Buffer	6.1
		Exo(-) Klenow	7.5
		Random Primers	8
		5X gDNA Reaction Buffer	7.5
		10X dNTP Mix	8
		Cyanine-3-dUTP	Not available.
		Cyanine-5-dUTP	Not available.
		Cot-1 DNA	7.4
		Alu I	7.4
		Rsa I	7.4
		10X Restriction Enzyme Buffer	7.9
		BSA	Not available.
		Human Reference DNA Male	8
		Human Reference DNA Female	8
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.

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Melting point/freezing point	:	☑ Nuclease Free Water	0°C	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	0°C	
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	0°C	
		10X aCGH Blocking Agent	Not available.	
		2X HI-RPM Hybridization Buffer	Not available.	
		Exo(-) Klenow	Not available.	
		Random Primers	0°C	
		5X gDNA Reaction Buffer	0°C	
		10X dNTP Mix	0°C	
		Cyanine-3-dUTP	0°C	
		Cyanine-5-dUTP	0°C	
		Cot-1 DNA	0°C	
		Alu I	Not available.	
		Rsa I	Not available.	
		10X Restriction Enzyme Buffer	Not available.	
		BSA	0°C	
		Human Reference DNA Male	0°C	
		Human Reference DNA Female	0°C	
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.	
	Initial boiling point and boiling range	:	☑ Nuclease Free Water	100°C
			Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	100°C
			Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	100°C
			10X aCGH Blocking Agent	Not available.
			2X HI-RPM Hybridization Buffer	Not available.
			Exo(-) Klenow	Not available.
			Random Primers	100°C
			5X gDNA Reaction Buffer	100°C
			10X dNTP Mix	100°C
			Cyanine-3-dUTP	100°C
			Cyanine-5-dUTP	100°C
		Cot-1 DNA	100°C	
		Alu I	Not available.	
		Rsa I	Not available.	
		10X Restriction Enzyme Buffer	Not available.	
		BSA	100°C	
		Human Reference DNA Male	100°C	
		Human Reference DNA Female	100°C	
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.	

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Flash point	:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Nuclease Free Water Not applicable. Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Not available. Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 Not available. 10X aCGH Blocking Agent Not available. 2X HI-RPM Hybridization Buffer Not available. Exo(-) Klenow Random Primers Not available. 5X gDNA Reaction Buffer Not available. 10X dNTP Mix Not available. Cyanine-3-dUTP Not available. Cyanine-5-dUTP Not available. Cot-1 DNA Not available. Alu I Not available. Rsa I Not available. 10X Restriction Enzyme Buffer Not available. BSA Not available. Human Reference DNA Male Not available. Human Reference DNA Female Not available. 10 SurePrint G3 human CGH arrays, 1x1M Not available.
Evaporation rate	:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Nuclease Free Water Not available. Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Not available. Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 Not available. 10X aCGH Blocking Agent Not available. 2X HI-RPM Hybridization Buffer Not available. Exo(-) Klenow Random Primers Not available. 5X gDNA Reaction Buffer Not available. 10X dNTP Mix Not available. Cyanine-3-dUTP Not available. Cyanine-5-dUTP Not available. Cot-1 DNA Not available. Alu I Not available. Rsa I Not available. 10X Restriction Enzyme Buffer Not available. BSA Not available. Human Reference DNA Male Not available. Human Reference DNA Female Not available. 10 SurePrint G3 human CGH arrays, 1x1M Not available.

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Flammability (solid, gas)	:	☑ Nuclease Free Water	Not applicable.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
		10X aCGH Blocking Agent	Not available.
		2X HI-RPM Hybridization Buffer	Not applicable.
		Exo(-) Klenow	Not applicable.
		Random Primers	Not applicable.
		5X gDNA Reaction Buffer	Not applicable.
		10X dNTP Mix	Not applicable.
		Cyanine-3-dUTP	Not applicable.
		Cyanine-5-dUTP	Not applicable.
		Cot-1 DNA	Not applicable.
		Alu I	Not applicable.
		Rsa I	Not applicable.
		10X Restriction Enzyme Buffer	Not applicable.
		BSA	Not applicable.
		Human Reference DNA Male	Not applicable.
		Human Reference DNA Female	Not applicable.
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.

Upper/lower flammability or explosive limits	:	☑ Nuclease Free Water	Not available.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
		10X aCGH Blocking Agent	Not available.
		2X HI-RPM Hybridization Buffer	Not available.
		Exo(-) Klenow	Not available.
		Random Primers	Not available.
		5X gDNA Reaction Buffer	Not available.
		10X dNTP Mix	Not available.
		Cyanine-3-dUTP	Not available.
		Cyanine-5-dUTP	Not available.
		Cot-1 DNA	Not available.
		Alu I	Not available.
		Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.
		BSA	Not available.
		Human Reference DNA Male	Not available.
		Human Reference DNA Female	Not available.
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.

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SECTION 9: Physical and chemical properties

Vapour pressure	:	☑ Nuclease Free Water	3.2 kPa [room temperature]
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
		10X aCGH Blocking Agent	Not available.
		2X HI-RPM Hybridization Buffer	Not available.
		Exo(-) Klenow	Not available.
		Random Primers	Not available.
		5X gDNA Reaction Buffer	Not available.
		10X dNTP Mix	Not available.
		Cyanine-3-dUTP	Not available.
		Cyanine-5-dUTP	Not available.
		Cot-1 DNA	Not available.
		Alu I	Not available.
		Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.
		BSA	Not available.
		Human Reference DNA Male	Not available.
		Human Reference DNA Female	Not available.
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.
	Vapour density	:	☑ Nuclease Free Water
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
		Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
		10X aCGH Blocking Agent	Not available.
		2X HI-RPM Hybridization Buffer	Not available.
		Exo(-) Klenow	Not available.
		Random Primers	Not available.
		5X gDNA Reaction Buffer	Not available.
		10X dNTP Mix	Not available.
		Cyanine-3-dUTP	Not available.
		Cyanine-5-dUTP	Not available.
		Cot-1 DNA	Not available.
		Alu I	Not available.
		Rsa I	Not available.
		10X Restriction Enzyme Buffer	Not available.
		BSA	Not available.
		Human Reference DNA Male	Not available.
		Human Reference DNA Female	Not available.
		10 SurePrint G3 human CGH arrays, 1x1M	Not available.

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Relative density	: Nuclease Free Water	1
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
Solubility(ies)	: Nuclease Free Water	Easily soluble in the following materials: cold water and hot water.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Easily soluble in the following materials: cold water and hot water.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Easily soluble in the following materials: cold water and hot water.
	10X aCGH Blocking Agent	Soluble in the following materials: cold water and hot water.
	2X HI-RPM Hybridization Buffer	Soluble in the following materials: cold water and hot water.
	Exo(-) Klenow	Soluble in the following materials: cold water and hot water.
	Random Primers	Easily soluble in the following materials: cold water and hot water.
	5X gDNA Reaction Buffer	Easily soluble in the following materials: cold water and hot water.
	10X dNTP Mix	Easily soluble in the following materials: cold water and hot water.
	Cyanine-3-dUTP	Easily soluble in the following materials: cold water and hot water.
	Cyanine-5-dUTP	Easily soluble in the following materials: cold water and hot water.
	Cot-1 DNA	Easily soluble in the following materials: cold water and hot water.
	Alu I	Soluble in the following materials: cold water and hot water.
	Rsa I	Soluble in the following materials: cold water and hot water.
	10X Restriction	Easily soluble in the following materials: cold water and

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SECTION 9: Physical and chemical properties

	Enzyme Buffer	hot water.
	BSA	Easily soluble in the following materials: cold water and hot water.
	Human Reference DNA Male	Easily soluble in the following materials: cold water and hot water.
	Human Reference DNA Female	Easily soluble in the following materials: cold water and hot water.
	10 SurePrint G3 human CGH arrays, 1x1M	Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Nuclease Free Water	-1.38
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM	Not available.
	Hybridization Buffer	
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction	Not available.
	Enzyme Buffer	
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
Auto-ignition temperature	: Nuclease Free Water	Not applicable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM	Not available.
	Hybridization Buffer	
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction	Not available.

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SECTION 9: Physical and chemical properties

	Enzyme Buffer	
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
Decomposition temperature	: <input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
Viscosity	: <input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.

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SECTION 9: Physical and chemical properties

	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
Explosive properties	: <input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
Oxidising properties	: <input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Not available.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.

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SECTION 9: Physical and chemical properties

Human Reference DNA Male	Not available.
Human Reference DNA Female	Not available.
10 SurePrint G3 human CGH arrays, 1x1M	Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: <input checked="" type="checkbox"/> Nuclease Free Water	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.
	10X aCGH Blocking Agent	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.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No specific test data related to reactivity available for this product or its ingredients.
	Human Reference DNA Female	No specific test data related to reactivity available for this product or its ingredients.
	10 SurePrint G3 human CGH arrays, 1x1M	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: <input checked="" type="checkbox"/> Nuclease Free Water	The product is stable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	The product is stable.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	The product is stable.
	10X aCGH Blocking	The product is stable.

SECTION 10: Stability and reactivity

Agent	
2X HI-RPM Hybridization Buffer	The product is stable.
Exo(-) Klenow	The product is stable.
Random Primers	The product is stable.
5X gDNA Reaction Buffer	The product is stable.
10X dNTP Mix	The product is stable.
Cyanine-3-dUTP	The product is stable.
Cyanine-5-dUTP	The product is stable.
Cot-1 DNA	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.
Human Reference DNA Male	The product is stable.
Human Reference DNA Female	The product is stable.
10 SurePrint G3 human CGH arrays, 1x1M	The product is stable.

10.3 Possibility of hazardous reactions

<ul style="list-style-type: none"> ☑ Nuclease Free Water 	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.
10X aCGH Blocking Agent	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.
Exo(-) Klenow	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.
10X dNTP Mix	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.
Cot-1 DNA	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.
Human Reference DNA Male	Under normal conditions of storage and use, hazardous reactions will not occur.
Human Reference DNA Female	Under normal conditions of storage and use, hazardous reactions will not occur.
10 SurePrint G3 human CGH arrays, 1x1M	Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 10: Stability and reactivity

10.4 Conditions to avoid	<ul style="list-style-type: none"> ☒ Nuclease Free Water 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. 10X aCGH Blocking Agent No specific data. 2X HI-RPM Hybridization Buffer No specific data. Exo(-) Klenow No specific data. Random Primers No specific data. 5X gDNA Reaction Buffer No specific data. 10X dNTP Mix No specific data. Cyanine-3-dUTP No specific data. Cyanine-5-dUTP No specific data. Cot-1 DNA No specific data. Alu I No specific data. Rsa I No specific data. 10X Restriction Enzyme Buffer No specific data. BSA No specific data. Human Reference DNA Male No specific data. Human Reference DNA Female No specific data. 10 SurePrint G3 human CGH arrays, 1x1M No specific data.
10.5 Incompatible materials	<ul style="list-style-type: none"> ☒ Nuclease Free Water May react or be incompatible with oxidising materials. Agilent Oligo aCGH/ ChIP-on-Chip Wash Buffer 1 May react or be incompatible with oxidising materials. Agilent Oligo aCGH/ ChIP-on-Chip Wash Buffer 2 May react or be incompatible with oxidising materials. 10X aCGH Blocking Agent May react or be incompatible with oxidising materials. 2X HI-RPM Hybridization Buffer May react or be incompatible with oxidising materials. Exo(-) Klenow May react or be incompatible with oxidising materials. Random Primers May react or be incompatible with oxidising materials. 5X gDNA Reaction Buffer May react or be incompatible with oxidising materials. 10X dNTP Mix May react or be incompatible with oxidising materials. Cyanine-3-dUTP May react or be incompatible with oxidising materials. Cyanine-5-dUTP May react or be incompatible with oxidising materials. Cot-1 DNA May react or be incompatible with oxidising materials. Alu I May react or be incompatible with oxidising materials. Rsa I May react or be incompatible with oxidising materials. 10X Restriction Enzyme Buffer May react or be incompatible with oxidising materials. BSA May react or be incompatible with oxidising materials. Human Reference DNA Male May react or be incompatible with oxidising materials. Human Reference DNA Female May react or be incompatible with oxidising materials. 10 SurePrint G3 human CGH arrays, 1x1M May react or be incompatible with oxidising materials.

SECTION 10: Stability and reactivity

10.6 Hazardous decomposition products	N uclease Free Water	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	10X aCGH Blocking Agent	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	2X HI-RPM Hybridization Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Exo(-) Klenow	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Random Primers	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	5X gDNA Reaction Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	10X dNTP Mix	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Cyanine-3-dUTP	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Cyanine-5-dUTP	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Cot-1 DNA	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Alu I	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Rsa I	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	10X Restriction Enzyme Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	BSA	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Human Reference DNA Male	Under normal conditions of storage and use, hazardous decomposition products should not be produced.	
Human Reference DNA Female	Under normal conditions of storage and use, hazardous decomposition products should not be produced.	
10 SurePrint G3 human CGH arrays, 1x1M	Under normal conditions of storage and use, hazardous decomposition products should not be produced.	

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
10X aCGH Blocking Agent Trometamol	LD50 Dermal	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
2X HI-RPM Hybridization Buffer Lithium chloride	LC50 Inhalation Dusts and mists	Rat	>5.57 mg/l	4 hours
	LD50 Dermal	Rabbit	1629 mg/kg	-
	LD50 Dermal	Rat	1488 mg/kg	-
	LD50 Oral	Rat	526 mg/kg	-
	LD50 Oral	Rat	1800 mg/kg	-
Polyoxyethylene octyl phenyl ether Lithium dodecyl sulphate Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,	LD50 Oral	Rat	>5000 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	1.08 mg/l	4 hours

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3-tetramethyl-1-[(trimethylsilyloxy)-1-disiloxanyl]propyl ether	LD50 Dermal LD50 Oral	Rabbit Rat	1550 mg/kg 3200 mg/kg	- -
Rsa I Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-
10X Restriction Enzyme Buffer Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-

Acute toxicity estimates

Route	ATE value
2X HI-RPM Hybridization Buffer Oral Dermal Inhalation (dusts and mists)	2583.6 mg/kg 9381.9 mg/kg 16.33 mg/l
5X gDNA Reaction Buffer Oral Dermal Inhalation (vapours)	61000 mg/kg 41775 mg/kg 500 mg/l

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
10X aCGH Blocking Agent Trometamol	Skin - Moderate irritant	Rabbit	-	25 Percent	-
	Skin - Severe irritant	Rabbit	-	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	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-
Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyloxy)-1-disiloxanyl]propyl] ether	Skin - Mild irritant	Rabbit	-	-	-
	Eyes - Severe irritant	Rabbit	-	-	-
Rsa I Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
10X Restriction Enzyme Buffer Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-

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SECTION 11: Toxicological information

	Eyes - Moderate irritant Skin - Mild irritant	Rabbit Rabbit	- -	10 milligrams 24 hours 500 milligrams	- -
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Sensitiser

Product/ingredient name	Route of exposure	Species	Result
2X HI-RPM Hybridization Buffer Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxanyl]propyl] ether	skin	Guinea pig	Not sensitizing

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)

Product/ingredient name	Category	Route of exposure	Target organs
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
2X HI-RPM Hybridization Buffer Lithium dodecyl sulphate	Category 3	Not applicable.	Respiratory tract irritation
5X gDNA Reaction Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
10X Restriction Enzyme Buffer 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure :

<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Nuclease Free Water Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 <input type="checkbox"/> Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 <input type="checkbox"/> 10X aCGH Blocking 	<ul style="list-style-type: none"> Not available. Not available. Not available. Routes of entry anticipated: Oral, Dermal, Inhalation.
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SECTION 11: Toxicological information

Agent	
2X HI-RPM Hybridization Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
Exo(-) Klenow	Routes of entry anticipated: Oral, Dermal, Inhalation.
Random Primers	Not available.
5X gDNA Reaction Buffer	Routes of entry anticipated: Oral, Dermal, Inhalation.
10X dNTP Mix	Not available.
Cyanine-3-dUTP	Not available.
Cyanine-5-dUTP	Not available.
Cot-1 DNA	Not available.
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.
Human Reference DNA Male	Not available.
Human Reference DNA Female	Not available.
10 SurePrint G3 human CGH arrays, 1x1M	Not available.

Potential acute health effects

Inhalation

: Nuclease Free Water	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.
10X aCGH Blocking Agent	May cause respiratory irritation.
2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
Exo(-) Klenow	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.
10X dNTP Mix	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.
Cot-1 DNA	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.
Human Reference DNA Male	No known significant effects or critical hazards.
Human Reference DNA Female	No known significant effects or critical hazards.
10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.

Ingestion

: Nuclease Free Water	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.
10X aCGH Blocking Agent	No known significant effects or critical hazards.
2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.

SECTION 11: Toxicological information

	Buffer	
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Skin contact	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Causes skin irritation.
	2X HI-RPM Hybridization Buffer	Causes skin irritation.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Eye contact	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Causes serious eye irritation.
	2X HI-RPM Hybridization Buffer	Causes serious eye irritation.
	Exo(-) Klenow	No known significant effects or critical hazards.
	Random Primers	No known significant effects or critical hazards.

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5X gDNA Reaction Buffer	No known significant effects or critical hazards.
10X dNTP Mix	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.
Cot-1 DNA	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.
Human Reference DNA Male	No known significant effects or critical hazards.
Human Reference DNA Female	No known significant effects or critical hazards.
10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	:	☑ Nuclease Free Water	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.
		10X aCGH Blocking Agent	Adverse symptoms may include the following: respiratory tract irritation coughing
		2X HI-RPM Hybridization Buffer	No specific data.
		Exo(-) Klenow	No specific data.
		Random Primers	No specific data.
		5X gDNA Reaction Buffer	No specific data.
		10X dNTP Mix	No specific data.
		Cyanine-3-dUTP	No specific data.
		Cyanine-5-dUTP	No specific data.
		Cot-1 DNA	No specific data.
		Alu I	No specific data.
		Rsa I	No specific data.
		10X Restriction Enzyme Buffer	No specific data.
		BSA	No specific data.
		Human Reference DNA Male	No specific data.
		Human Reference DNA Female	No specific data.
		10 SurePrint G3 human CGH arrays, 1x1M	No specific data.
Ingestion	:	☑ Nuclease Free Water	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.
		10X aCGH Blocking Agent	No specific data.
		2X HI-RPM Hybridization Buffer	No specific data.
		Exo(-) Klenow	No specific data.
		Random Primers	No specific data.

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	5X gDNA Reaction Buffer	No specific data.
	10X dNTP Mix	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	Cot-1 DNA	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Human Reference DNA Male	No specific data.
	Human Reference DNA Female	No specific data.
	10 SurePrint G3 human CGH arrays, 1x1M	No specific data.
Skin contact	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Adverse symptoms may include the following: irritation redness
	2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: irritation redness
	Exo(-) Klenow	No specific data.
	Random Primers	No specific data.
	5X gDNA Reaction Buffer	No specific data.
	10X dNTP Mix	No specific data.
	Cyanine-3-dUTP	No specific data.
	Cyanine-5-dUTP	No specific data.
	Cot-1 DNA	No specific data.
	Alu I	No specific data.
	Rsa I	No specific data.
	10X Restriction Enzyme Buffer	No specific data.
	BSA	No specific data.
	Human Reference DNA Male	No specific data.
	Human Reference DNA Female	No specific data.
	10 SurePrint G3 human CGH arrays, 1x1M	No specific data.
Eye contact	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	Adverse symptoms may include the following: pain or irritation watering redness

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2X HI-RPM Hybridization Buffer	Adverse symptoms may include the following: pain or irritation watering redness
Exo(-) Klenow	No specific data.
Random Primers	No specific data.
5X gDNA Reaction Buffer	No specific data.
10X dNTP Mix	No specific data.
Cyanine-3-dUTP	No specific data.
Cyanine-5-dUTP	No specific data.
Cot-1 DNA	No specific data.
Alu I	No specific data.
Rsa I	No specific data.
10X Restriction Enzyme Buffer	No specific data.
BSA	No specific data.
Human Reference DNA Male	No specific data.
Human Reference DNA Female	No specific data.
10 SurePrint G3 human CGH arrays, 1x1M	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	<ul style="list-style-type: none"> ☑ Nuclease Free Water Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1 Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2 10X aCGH Blocking Agent 2X HI-RPM Hybridization Buffer Exo(-) Klenow Random Primers 5X gDNA Reaction Buffer 10X dNTP Mix Cyanine-3-dUTP Cyanine-5-dUTP Cot-1 DNA Alu I Rsa I 10X Restriction Enzyme Buffer BSA Human Reference DNA 	<ul style="list-style-type: none"> No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
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SECTION 11: Toxicological information

	Male	
	Human Reference DNA	No known significant effects or critical hazards.
	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Carcinogenicity	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA	No known significant effects or critical hazards.
	Male	
	Human Reference DNA	No known significant effects or critical hazards.
	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Mutagenicity	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA	No known significant effects or critical hazards.
	Male	
	Human Reference DNA	No known significant effects or critical hazards.
	Female	

SECTION 11: Toxicological information

	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Teratogenicity	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
Human Reference DNA Male	No known significant effects or critical hazards.	
Human Reference DNA Female	No known significant effects or critical hazards.	
10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.	
Developmental effects	: Nuclease Free Water	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.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.

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Fertility effects	: <input checked="" type="checkbox"/> Nuclease Free Water	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.
	10X aCGH Blocking Agent	No known significant effects or critical hazards.
	2X HI-RPM Hybridization Buffer	No known significant effects or critical hazards.
	Exo(-) Klenow	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.
	10X dNTP Mix	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.
	Cot-1 DNA	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.
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
	10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
Other information	: <input checked="" type="checkbox"/> Nuclease Free Water	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not available.
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM Hybridization Buffer	Not available.
	Exo(-) Klenow	Not available.
	Random Primers	Not available.
	5X gDNA Reaction Buffer	Adverse symptoms may include the following: May cause sensitisation by skin contact.
	10X dNTP Mix	Not available.
	Cyanine-3-dUTP	Not available.
	Cyanine-5-dUTP	Not available.
	Cot-1 DNA	Not available.
	Alu I	Not available.
	Rsa I	Not available.
	10X Restriction Enzyme Buffer	Not available.
	BSA	Not available.
	Human Reference DNA Male	Not available.
	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
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
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	Algae Daphnia Fish Crustaceans - Ceriodaphnia rigaudi - Neonate	72 hours 48 hours 96 hours 48 hours
Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxanyl]propyl] ether	Acute LC50 11.2 mg/l Fresh water Acute LC50 4500 µg/l Fresh water EC50 28.2 mg/l	Daphnia - Daphnia magna - Neonate Fish - Pimephales promelas Algae	48 hours 96 hours 72 hours
Rsa I Sodium chloride	EC50 1.1 mg/l Acute EC50 4.74 g/L Fresh water Acute EC50 519.6 mg/l Fresh water Acute EC50 402600 µg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1000000 µg/l Fresh water Chronic LC10 781 mg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water	Daphnia Algae - Chlamydomonas reinhardtii Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Aquatic plants - Lemna minor Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	48 hours 96 hours 48 hours 96 hours 96 hours 3 weeks 96 hours 21 days 8 weeks
10X Restriction Enzyme Buffer Sodium chloride	Acute EC50 4.74 g/L Fresh water Acute EC50 519.6 mg/l Fresh water Acute EC50 402600 µg/l Fresh water Acute IC50 6.87 g/L Fresh water Acute LC50 1000000 µg/l Fresh water Chronic LC10 781 mg/l Fresh water Chronic NOEC 6 g/L Fresh water Chronic NOEC 0.314 g/L Fresh water Chronic NOEC 100 mg/l Fresh water	Algae - Chlamydomonas reinhardtii Crustaceans - Cypris subglobosa Daphnia - Daphnia magna Aquatic plants - Lemna minor Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	96 hours 48 hours 48 hours 96 hours 96 hours 3 weeks 96 hours 21 days 8 weeks

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SECTION 12: Ecological information

12.2 Persistence and degradability

Not available.

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

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Nuclease Free Water Water	-1.38	-	low
10X aCGH Blocking Agent Trometamol	-1.56	-	low
2X HI-RPM Hybridization Buffer Polyoxyethylene octyl phenyl ether	4.86	-	high

12.4 Mobility in soil

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

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

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

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

Packaging

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

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SECTION 13: Disposal considerations

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR/RID / IMDG / IATA : Not regulated.

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

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

SECTION 15: Regulatory information

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

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

Annex XIV - List of substances subject to authorisation

Annex XIV

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
<input checked="" type="checkbox"/> 2X HI-RPM Hybridization Buffer Polyoxyethylene octyl phenyl ether	Substance of equivalent concern for environment	Listed	42	7/3/2017

Substances of very high concern

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
<input checked="" type="checkbox"/> 2X HI-RPM Hybridization Buffer Polyoxyethylene octyl phenyl ether	Substance of equivalent concern for environment	Recommended	ED/169/2012	2/10/2014

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

<input checked="" type="checkbox"/> Nuclease Free Water	Not applicable.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Not applicable.
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Not applicable.
10X aCGH Blocking Agent	Not applicable.
2X HI-RPM Hybridization Buffer	Not applicable.
Exo(-) Klenow	Not applicable.
Random Primers	Not applicable.
5X gDNA Reaction Buffer	Not applicable.
10X dNTP Mix	Not applicable.
Cyanine-3-dUTP	Not applicable.
Cyanine-5-dUTP	Not applicable.
Cot-1 DNA	Not applicable.
Alu I	Not applicable.
Rsa I	Not applicable.
10X Restriction Enzyme Buffer	Not applicable.
BSA	Not applicable.
Human Reference DNA Male	Not applicable.

Date of issue/Date of revision : 22/10/2018

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SECTION 15: Regulatory information

Human Reference DNA Female	Not applicable.
10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
Thailand	: <input checked="" type="checkbox"/> Not determined.
Turkey	: Not determined.
United States	: Not determined.
Viet Nam	: <input checked="" type="checkbox"/> Not determined.

15.2 Chemical safety assessment

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

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SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms

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

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

Classification	Justification
✔ 10X aCGH Blocking Agent Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	Calculation method Calculation method Calculation method
2X HI-RPM Hybridization Buffer Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412	Calculation method Calculation method Calculation method

Full text of abbreviated H statements

✔ 10X aCGH Blocking Agent H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
2X HI-RPM Hybridization Buffer H228 H302 H312 H315 H318 H319 H332 H335 H411 H412	Flammable solid. Harmful if swallowed. Harmful in contact with skin. Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. Toxic to aquatic life with long lasting effects. Harmful to aquatic life with long lasting effects.
5X gDNA Reaction Buffer H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.
Rsa I H319	Causes serious eye irritation.
10X Restriction Enzyme Buffer H315 H319 H335	Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

Full text of classifications [CLP/GHS]

SurePrint G3 CGH/CGH+SNP 1x1M Bundle, Part Number G5920A

SECTION 16: Other information

10X aCGH Blocking Agent

Eye Irrit. 2, H319
Skin Irrit. 2, H315
STOT SE 3, H335

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Respiratory tract irritation) - Category 3

2X HI-RPM Hybridization Buffer

Acute Tox. 4, H302
Acute Tox. 4, H312
Acute Tox. 4, H332
Aquatic Chronic 2, H411
Aquatic Chronic 3, H412
Eye Dam. 1, H318
Eye Irrit. 2, H319
Flam. Sol. 1, H228
Skin Irrit. 2, H315
STOT SE 3, H335

ACUTE TOXICITY (oral) - Category 4
ACUTE TOXICITY (dermal) - Category 4
ACUTE TOXICITY (inhalation) - Category 4
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
FLAMMABLE SOLIDS - Category 1
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Respiratory tract irritation) - Category 3

5X gDNA Reaction Buffer

Eye Irrit. 2, H319
Skin Irrit. 2, H315
STOT SE 3, H335

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Respiratory tract irritation) - Category 3

Rsa I

Eye Irrit. 2, H319

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2

10X Restriction Enzyme Buffer


Eye Irrit. 2, H319
Skin Irrit. 2, H315
STOT SE 3, H335

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
SKIN CORROSION/IRRITATION - Category 2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE
(Respiratory tract irritation) - Category 3

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Note * :  **10 SurePrint G3 human CGH arrays, 1x1M**: This component is considered an article. Information provided is based on the encapsulated substance or mixture in this article.

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