

# 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

<b>Product name</b>	: SurePrint G3 CGH/CGH+SNP 1x1M Bundle, Part Number G5920A
<b>Part No. (Kit)</b>	: G5920A
<b>Part No.</b>	: 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

Identified uses	
Analytical reagent.	
Nuclease Free Water	2 x 1500 µl
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	2 x 4 L
Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	4 L
10X aCGH Blocking Agent	25 Hybs lyophilised
2X HI-RPM Hybridization Buffer	1.4 ml
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
Human Reference DNA Female	125 µl 0.2 µg/µl
10 SurePrint G3 human CGH arrays, 1x1M	glass slide

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

### 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

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

<b>Product definition</b>	: Nuclease Free Water	Mono-constituent substance
	Agilent Oligo aCGH/	Mixture
	ChIP-on-Chip Wash	
	Buffer 1	
	Agilent Oligo aCGH/	Mixture
	ChIP-on-Chip Wash	
	Buffer 2	
	10X aCGH Blocking	Mixture
	Agent	
	2X HI-RPM Hybridization	Mixture
	Buffer	
	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	Mixture
	Buffer	
	BSA	Mixture
	Human Reference DNA	Mixture
	Male	
	Human Reference DNA	Mixture
	Female	
	10 SurePrint G3 human	Mixture
	CGH arrays, 1x1M	

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

#### **10X aCGH Blocking Agent**

H315 SKIN CORROSION/IRRITATION - Category 2  
 H319 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

#### **2X HI-RPM Hybridization**

##### **Buffer**

H315 SKIN CORROSION/IRRITATION - Category 2  
 H318 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  
 H412 LONG-TERM AQUATIC HAZARD - Category 3

## SECTION 2: Hazards identification

<b>Ingredients of unknown toxicity</b>	:	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	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 94.2%
		2X HI-RPM Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 10.9%
		Exo(-) Klenow	Not applicable.
		Random Primers	Not applicable.
		5X gDNA Reaction Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 3.2%
		10X dNTP Mix	Not applicable.
		Cyanine-3-dUTP	Not applicable.
		Cyanine-5-dUTP	Not applicable.
		Cot-1 DNA	Not applicable.
		Alu I	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 2.9%
		Rsa I	Not applicable.
		10X Restriction Enzyme Buffer	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1.6%
		BSA	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 1%
		Human Reference DNA Male	Not applicable.
		Human Reference DNA Female	Not applicable.
		10 SurePrint G3 human CGH arrays, 1x1M	Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 100%
		<b>Ingredients of unknown ecotoxicity</b>	:
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	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 94.2%		
2X HI-RPM Hybridization Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 10.9%		
Exo(-) Klenow	Not applicable.		
Random Primers	Not applicable.		
5X gDNA Reaction Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.2%		
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	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3.6%		
BSA	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%		
Human Reference DNA Male	Not applicable.		
Human Reference DNA Female	Not applicable.		
10 SurePrint G3 human CGH arrays, 1x1M	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 100%		

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

**Date of issue/Date of revision** : 10/06/2016

## SECTION 2: Hazards identification

Hazard pictograms :



**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	Danger
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.

**Hazard statements** :

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	<b>GHS07 -</b> Causes skin irritation. Causes serious eye irritation.
2X HI-RPM Hybridization Buffer	<b>GHS05 -</b> Causes serious eye damage. <b>GHS07 -</b> Causes skin irritation. Harmful to aquatic life with long lasting effects.
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.

**SECTION 2: Hazards identification**

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.

Precautionary statements

**Prevention**

: 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 P280 - Wear protective gloves. Wear eye or face protection.  
2X HI-RPM Hybridization Buffer P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves. Wear eye or face protection.  
Exo(-) Klenow P273 - Avoid release to the environment.  
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.

**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 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
2X HI-RPM Hybridization Buffer P305 + P351 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Immediately call a POISON CENTER or physician.  
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 Not applicable.

**SECTION 2: Hazards identification**

	Male	
	Human Reference DNA	Not applicable.
	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	Not applicable.
<b>Storage</b>	: 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.
<b>Disposal</b>	: 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	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.

**SECTION 2: Hazards identification**

<b>Hazardous ingredients</b>	: <b>2X HI-RPM Hybridization Buffer</b> Lithium dodecyl sulphate	
<b>Supplemental label elements</b>	: 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.
	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.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: 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](#)

**SECTION 2: Hazards identification**

<b>Tactile warning of danger</b>	:	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.

**2.3 Other hazards**

<b>Other hazards which do not result in classification</b>	:	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**

<b>3.2 Mixtures</b>	: 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

Product/ingredient name	Identifiers	%	Classification	Type
<b>Nuclease Free Water</b> Water	7732-18-5	100	Not classified.	[A]
<b>10X aCGH Blocking Agent</b> Trometamol	EC: 201-064-4 CAS: 77-86-1	<10	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	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
<b>2X HI-RPM Hybridization Buffer</b> 4-Morpholineethanesulfonic acid, hydrate (1:1)	EC: 224-632-3 CAS: 145224-94-8	≤10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	[1]
Lithium chloride	EC: 231-212-3 CAS: 7447-41-8	≤10	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]
Lithium dodecyl sulphate	EC: 218-058-2 CAS: 2044-56-6	≤5	Flam. Sol. 2, H228 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	[1]
Polyoxyethylene octyl phenyl ether	CAS: 9002-93-1	≤3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	[1] [5]
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 2, H411	[1]
<b>Exo(-) Klenow</b> Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
<b>5X gDNA Reaction Buffer</b> 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]

### SECTION 3: Composition/information on ingredients

<b>Alu I</b> Glycerol	EC: 200-289-5 CAS: 56-81-5	≥50 - ≤75	Not classified.	[2]
<b>Rsa I</b> Glycerol	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]
<b>10X Restriction Enzyme Buffer</b> 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  <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

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

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
- [A] Constituent [B] Impurity [C] Stabilising additive

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>Eye contact</b>	: Nuclease Free Water	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	10X aCGH Blocking Agent	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	2X HI-RPM Hybridization Buffer	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
	Exo(-) Klenow	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	Random Primers	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	5X gDNA Reaction Buffer	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**SECTION 4: First aid measures**

10X dNTP Mix	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Cyanine-3-dUTP	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Cyanine-5-dUTP	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
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 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.
2X HI-RPM Hybridization Buffer	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place

**SECTION 4: First aid measures**

		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.
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.
<b>Skin contact</b>	<b>:</b>	
	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	Flush contaminated skin with plenty of water. Remove

**SECTION 4: First aid measures**

Agent	contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
2X HI-RPM Hybridization Buffer	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
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.
<b>Ingestion</b> : Nuclease Free Water	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
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

**SECTION 4: First aid measures**

Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	<p>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.</p>
10X aCGH Blocking Agent	<p>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.</p>
2X HI-RPM Hybridization Buffer	<p>Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
Exo(-) Klenow	<p>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.</p>
Random Primers	<p>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.</p>
5X gDNA Reaction Buffer	<p>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.</p>
10X dNTP Mix	<p>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.</p>
Cyanine-3-dUTP	<p>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</p>

**SECTION 4: First aid measures**

Cyanine-5-dUTP	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.
Cot-1 DNA	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.

**SECTION 4: First aid measures**

10X aCGH Blocking Agent	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.
2X HI-RPM Hybridization Buffer	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
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

<b>Eye contact</b>	:	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 damage.
		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.



**SECTION 4: First aid measures**

	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.
<b>Inhalation</b>	: 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.
<b>Skin contact</b>	: 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	No known significant effects or critical hazards.

**SECTION 4: First aid measures**

	CGH arrays, 1x1M	
<b>Ingestion</b>	: 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**

<b>Eye contact</b>	: 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 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.

**SECTION 4: First aid measures**

	10 SurePrint G3 human CGH arrays, 1x1M	No specific data.
<b>Inhalation</b>	: 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.
	<b>Skin contact</b>	: Nuclease Free Water
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: pain or irritation redness blistering may occur
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.

**SECTION 4: First aid measures**

	CGH arrays, 1x1M	
<b>Ingestion</b>	: 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	Adverse symptoms may include the following:  stomach pains
	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**

<b>Notes to physician</b>	: 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, 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

## SECTION 4: First aid measures

	Rsa I	immediately if large quantities have been ingested or inhaled. 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.
<b>Specific treatments</b>	: 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

<b>Suitable extinguishing media</b>	: 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.

**SECTION 5: Firefighting measures**

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.
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.

**Unsuitable extinguishing media**

**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

**SECTION 5: Firefighting measures**

	10X dNTP Mix	container may burst. 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.
<b>Hazardous combustion products</b>	: 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:  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

**SECTION 5: Firefighting measures**

	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 Hybridization 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.
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.



**SECTION 5: Firefighting measures**

<p><b>Special protective equipment for fire-fighters</b></p>	<p>10X Restriction Enzyme Buffer</p> <p>BSA</p> <p>Human Reference DNA Male</p> <p>Human Reference DNA Female</p> <p>10 SurePrint G3 human CGH arrays, 1x1M</p> <p>: Nuclease Free Water</p> <p>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1</p> <p>Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2</p> <p>10X aCGH Blocking Agent</p> <p>2X HI-RPM Hybridization Buffer</p> <p>Exo(-) Klenow</p> <p>Random Primers</p> <p>5X gDNA Reaction Buffer</p> <p>10X dNTP Mix</p>	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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**SECTION 5: Firefighting measures**

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

**SECTION 5: Firefighting measures**

basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

<b>For non-emergency personnel</b>	: 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 spilled 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 spilled 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 spilled 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 spilled 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. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe 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.

**SECTION 6: Accidental release measures**

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. 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	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.
10 SurePrint G3 human CGH arrays, 1x1M	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
<b>For emergency responders</b> : 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".

**SECTION 6: Accidental release measures**

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, 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

**SECTION 6: Accidental release measures**

	(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 (sewers, waterways, soil or air).
10X dNTP Mix	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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	Avoid dispersal of spilt material and runoff and contact with

**SECTION 6: Accidental release measures**

CGH arrays, 1x1M	soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
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**6.3 Methods and material for containment and cleaning up****Methods for cleaning up** : Nuclease Free Water

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.
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Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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10X aCGH Blocking Agent	Stop leak if without risk. 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.
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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.
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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.
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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.
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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.
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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.
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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.
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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.
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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
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## SECTION 6: Accidental release measures

	place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Alu I	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Rsa I	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
10X Restriction Enzyme Buffer	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
BSA	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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

<b>Protective measures</b>	: 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. 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 get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material,



**SECTION 7: Handling and storage**

	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).
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,

**Advice on general occupational hygiene**

**SECTION 7: Handling and storage**

Random Primers	drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
5X gDNA Reaction Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
10X dNTP Mix	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
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	Eating, drinking and smoking should be prohibited in areas

**SECTION 7: Handling and storage**

Male	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 CGH arrays, 1x1M	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

: 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.
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.
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.
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. 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.
2X HI-RPM Hybridization Buffer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Exo(-) Klenow	Store in accordance with local regulations. Store in original

**SECTION 7: Handling and storage**

	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.
Random Primers	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
5X gDNA Reaction Buffer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
10X dNTP Mix	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Cyanine-3-dUTP	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Cyanine-5-dUTP	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Cot-1 DNA	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.
Alu I	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and

**SECTION 7: Handling and storage**

	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.
Rsa I	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
10X Restriction Enzyme Buffer	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
BSA	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
Human Reference DNA Male	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.
Human Reference DNA Female	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.
10 SurePrint G3 human CGH arrays, 1x1M	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.

**7.3 Specific end use(s)**

**SECTION 7: Handling and storage**

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

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

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

## SECTION 8: Exposure controls/personal protection

- 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

<b>Physical state</b>	: 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.
	10 SurePrint G3 human CGH arrays, 1x1M	Solid. [glass slide]
	<b>Colour</b>	: 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		Not available.



**SECTION 9: Physical and chemical properties**

	Buffer	
	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.
<b>Odour</b>	: 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.
<b>Odour threshold</b>	: 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.

**SECTION 9: Physical and chemical properties**

	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.
<b>pH</b>	: Nuclease Free Water	Not available.
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 1	8.2 to 8.6
	Agilent Oligo aCGH/ChIP-on-Chip Wash Buffer 2	8 to 8.4
	10X aCGH Blocking Agent	Not available.
	2X HI-RPM	6.1
	Hybridization Buffer	
	Exo(-) Klenow	7.5
	Random Primers	8
	5X gDNA Reaction Buffer	7.5
	10X dNTP Mix	8
	Cyanine-3-dUTP	7.6
	Cyanine-5-dUTP	7.6
	Cot-1 DNA	7.4
	Alu I	7.4
	Rsa I	7.4
	10X Restriction Enzyme Buffer	8.2
	BSA	Not available.
	Human Reference DNA Male	8
	Human Reference DNA Female	8
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
<b>Melting point/freezing point</b>	: 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	Not available.
	Hybridization Buffer	
	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	Not available.

**SECTION 9: Physical and chemical properties**

	Enzyme Buffer	
	BSA	0°C
	Human Reference DNA	0°C
	Male	
	Human Reference DNA	0°C
	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
<b>Initial boiling point and boiling range</b>	: 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	Not available.
	Hybridization Buffer	
	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	100°C
	Male	
	Human Reference DNA	100°C
	Female	
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
<b>Flash point</b>	: 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	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 Enzyme Buffer	Not available.
	BSA	Not available.
	Human Reference DNA	Not available.
	Male	

**SECTION 9: Physical and chemical properties**

	Human Reference DNA Female	Not available.
	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
<b>Evaporation rate</b>	: 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	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 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.
<b>Flammability (solid, gas)</b>	: 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	Not applicable.
	Hybridization Buffer	
	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,	Not available.

**SECTION 9: Physical and chemical properties**

	1x1M	
<b>Upper/lower flammability or explosive limits</b>	: 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	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 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.
<b>Vapour pressure</b>	: 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	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 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 9: Physical and chemical properties**

<b>Vapour density</b>	:	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	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 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.	
	<b>Relative density</b>	:	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	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 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 9: Physical and chemical properties**

<b>Solubility(ies)</b>	: 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 Enzyme Buffer	Easily soluble in the following materials: cold water and 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.
<b>Partition coefficient: n-octanol/water</b>	: 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.

**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.
<b>Auto-ignition temperature</b>	: 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.
<b>Decomposition temperature</b>	: 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.



**SECTION 9: Physical and chemical properties**

	10 SurePrint G3 human CGH arrays, 1x1M	Not available.
<b>Viscosity</b>	: 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.
	<b>Explosive properties</b>	: 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.

## SECTION 9: Physical and chemical properties

<b>Oxidising properties</b>	:	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.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	:	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.

**SECTION 10: Stability and reactivity**

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**

: 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 Agent	The product is stable.
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**

: 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.

**SECTION 10: Stability and reactivity**

Cyanine-5-dUTP	reactions will not occur. 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.

<b>10.4 Conditions to avoid</b>	:	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.

<b>10.5 Incompatible materials</b>	:	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.

**SECTION 10: Stability and reactivity**

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.

**10.6 Hazardous decomposition products**

: Nuclease 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	
<b>10X aCGH Blocking Agent</b> Trometamol	LD50 Dermal	Rat	>5000 mg/kg	-	
	LD50 Oral	Rat	5000 mg/kg	-	
<b>2X HI-RPM Hybridization Buffer</b> Lithium chloride	LD50 Dermal	Rabbit	1629 mg/kg	-	
	LD50 Dermal	Rat	1488 mg/kg	-	
	LD50 Oral	Rat	526 mg/kg	-	
	Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxany]propyl] ether	LC50 Inhalation Dusts and mists	Rat	1.08 mg/l	4 hours
		LD50 Dermal	Rabbit	1550 mg/kg	-
LD50 Oral	Rat	3200 mg/kg	-		
<b>Rsa I</b> Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-	
<b>10X Restriction Enzyme Buffer</b> Sodium chloride	LD50 Oral	Rat	3000 mg/kg	-	

#### Acute toxicity estimates

Route	ATE value
<b>2X HI-RPM Hybridization Buffer</b> Oral Dermal Inhalation (dusts and mists)	6417.6 mg/kg 91173.8 mg/kg 63.53 mg/l
<b>5X gDNA Reaction Buffer</b> Oral Dermal Inhalation (vapours)	69714.3 mg/kg 57142.9 mg/kg 571.4 mg/l

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>10X aCGH Blocking Agent</b> Trometamol	Skin - Moderate irritant	Rabbit	-	25 Percent	-
	Skin - Severe irritant	Rabbit	-	500 milligrams	-
<b>2X HI-RPM Hybridization Buffer</b> 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-disiloxany]propyl] ether	Skin - Mild irritant	Rabbit	-	-	-

**SECTION 11: Toxicological information**

<b>Rsa I</b> Sodium chloride	Eyes - Severe irritant	Rabbit	-	-	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant Skin - Mild irritant	Rabbit Rabbit	- -	10 milligrams 24 hours 500 milligrams	- -
<b>10X Restriction Enzyme Buffer</b> Sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

**Sensitiser**

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

**Chronic toxicity / Carcinogenicity / Mutagenicity / Teratogenicity / Reproductive toxicity**

Not available.

**Specific target organ toxicity (single exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
<b>10X aCGH Blocking Agent</b> Trometamol	Category 3	Not applicable.	Respiratory tract irritation
2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
<b>2X HI-RPM Hybridization Buffer</b> 4-Morpholineethanesulfonic acid, hydrate (1:1)	Category 3	Not applicable.	Respiratory tract irritation
Lithium dodecyl sulphate	Category 3	Not applicable.	Respiratory tract irritation
<b>5X gDNA Reaction Buffer</b> 2-Amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	Category 3	Not applicable.	Respiratory tract irritation
<b>10X Restriction Enzyme Buffer</b> 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.

**SECTION 11: Toxicological information**

<b>Information on likely routes of exposure</b>	:	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	Routes of entry anticipated: Oral, Dermal, Inhalation.
		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**

<b>Inhalation</b>	:	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.



**SECTION 11: Toxicological information**

<b>Ingestion</b>	:	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.	
	<b>Skin contact</b>	:	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.	

**SECTION 11: Toxicological information**

<b>Eye contact</b>	:	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 damage.
		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.

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

<b>Inhalation</b>	:	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.

**SECTION 11: Toxicological information**

<b>Ingestion</b>	:	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	Adverse symptoms may include the following:  stomach pains
		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.
<b>Skin contact</b>	:	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:  pain or irritation redness blistering may occur
		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.



**SECTION 11: Toxicological information**

	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.
<b>Carcinogenicity</b>	: 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.
<b>Mutagenicity</b>	: 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.

**SECTION 11: Toxicological information**

	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.
<b>Teratogenicity</b>	: 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.
<b>Developmental effects</b>	: 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.

**SECTION 11: Toxicological information**

	Human Reference DNA Female	No known significant effects or critical hazards.
<b>Fertility effects</b>	: 10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
	: 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
	Human Reference DNA Male	No known significant effects or critical hazards.
	Human Reference DNA Female	No known significant effects or critical hazards.
<b>Other information</b>	: 10 SurePrint G3 human CGH arrays, 1x1M	No known significant effects or critical hazards.
	: 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.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product/ingredient name	Result	Species	Exposure
<b>10X aCGH Blocking Agent</b> Trometamol	Acute EC50 >980 mg/l Fresh water Acute NOEC 520 mg/l Fresh water	Daphnia Daphnia	48 hours 48 hours
<b>2X HI-RPM Hybridization Buffer</b> Lithium chloride Polyoxyethylene octyl phenyl ether	Acute LC50 22000 µg/l Fresh water Acute LC50 5.85 mg/l Fresh water  Acute LC50 11.2 mg/l Fresh water	Fish - Gila elegans - Swim-up Crustaceans - Ceriodaphnia rigaudi - Neonate Daphnia - Daphnia magna - Neonate	96 hours 48 hours 48 hours
Oxirane, 2-methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-(trimethylsilyloxy)-1-disiloxanyl]propyl] ether	Acute LC50 4500 µg/l Fresh water EC50 28.2 mg/l  EC50 1.1 mg/l LC50 2.1 mg/l	Fish - Pimephales promelas Algae  Daphnia Fish	96 hours 72 hours  48 hours 96 hours
<b>Rsa I</b> Sodium chloride	Acute EC50 2430000 µg/l Fresh water Acute EC50 28.85 mg/dm3 Fresh water  Acute EC50 519.6 mg/l Fresh water  Acute IC50 6.87 g/L Fresh water Acute LC50 1661 mg/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 - Navicula seminulum Algae - Pseudokirchneriella subcapitata Crustaceans - Cypris subglobosa Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	96 hours 72 hours 48 hours 96 hours 48 hours 96 hours 3 weeks 96 hours 21 days 8 weeks
<b>10X Restriction Enzyme Buffer</b> Sodium chloride	Acute EC50 2430000 µg/l Fresh water Acute EC50 28.85 mg/dm3 Fresh water  Acute EC50 519.6 mg/l Fresh water  Acute IC50 6.87 g/L Fresh water Acute LC50 1661 mg/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 - Navicula seminulum Algae - Pseudokirchneriella subcapitata Crustaceans - Cypris subglobosa Aquatic plants - Lemna minor Daphnia - Daphnia magna Fish - Morone saxatilis - Larvae Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling) Aquatic plants - Lemna minor Daphnia - Daphnia pulex Fish - Gambusia holbrooki - Adult	96 hours 72 hours 48 hours 96 hours 48 hours 96 hours 3 weeks 96 hours 21 days 8 weeks

**12.2 Persistence and degradability**

Not available.



**SECTION 12: Ecological information**

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>2X HI-RPM Hybridization Buffer</b>			
Lithium chloride	-	-	Readily
Polyoxyethylene octyl phenyl ether	-	-	Readily

**12.3 Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>10X aCGH Blocking Agent</b>			
Trometamol	-1.56	-	low
<b>2X HI-RPM Hybridization Buffer</b>			
Polyoxyethylene octyl phenyl ether	4.86	-	high

**12.4 Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : 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.

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

**SECTION 14: Transport information****Regulatory 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.

**Date of issue/Date of revision** : 10/06/2016

65/69

**SECTION 14: Transport information**

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

**SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

Ingredient name	Intrinsic property	Status	Reference number	Date of revision
<b>2X HI-RPM Hybridization Buffer</b> 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]; 4-tert-Octylphenol ethoxylates	Substance of equivalent concern for environment	Recommended	ED/169/2012	10/29/2013

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

- 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.

Other EU regulations

Europe inventory : Not determined.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

## SECTION 15: Regulatory information

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

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### International lists

#### National inventory

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Japan</b>	: <b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>Malaysia</b>	: Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.

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

## 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
<b>10X aCGH Blocking Agent</b> Skin Irrit. 2, H315 Eye Irrit. 2, H319	Calculation method Calculation method
<b>2X HI-RPM Hybridization Buffer</b> Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	Calculation method Calculation method Calculation method

**Full text of abbreviated H statements** : **10X aCGH Blocking Agent**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.

**2X HI-RPM**

**SECTION 16: Other information**

**Hybridization Buffer**

H228	Flammable solid.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**5X gDNA Reaction**

**Buffer**

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

**Rsa I**

H319	Causes serious eye irritation.
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**10X Restriction**

**Enzyme Buffer**

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Full text of classifications [CLP/GHS]

**10X aCGH Blocking**

**Agent**

Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

**2X HI-RPM**

**Hybridization Buffer**

Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Acute Tox. 4, H312	ACUTE TOXICITY (dermal) - Category 4
Acute Tox. 4, H332	ACUTE TOXICITY (inhalation) - Category 4
Aquatic Chronic 2, H411	LONG-TERM AQUATIC HAZARD - Category 2
Aquatic Chronic 3, H412	LONG-TERM AQUATIC HAZARD - Category 3
Eye Dam. 1, H318	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Flam. Sol. 2, H228	FLAMMABLE SOLIDS - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

**5X gDNA Reaction**

**Buffer**

Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

**Rsa I**

Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
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**10X Restriction**

**Enzyme Buffer**

Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

## SECTION 16: Other information

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### Notice to reader

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