

# SAFETY DATA SHEET



Agilent Cell Kit, Part Number 5067-1519

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

### 1.1 Product identifier

**Product name** : Agilent Cell Kit, Part Number 5067-1519  
**Part No. (Kit)** : 5067-1519  
**Part No.** : Cell Reagents G2938-80027  
Focusing Dye Solution Not available.  
Chip Priming Solution Not available.  
2X Cell Buffer Not available.  
Cell Fluorescence Buffer Not available.

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

#### Identified uses

Analytical chemistry.	
Research and Development	
Focusing Dye Solution	1 x 0.5 ml
Chip Priming Solution	1 x 0.5 ml
2X Cell Buffer	2 x 2 ml
Cell Fluorescence Buffer	1 x 30 ml

### 1.3 Details of the supplier of the safety data sheet

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

**e-mail address of person responsible for this SDS** : pdl-msds\_author@agilent.com

### 1.4 Emergency telephone number

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

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Focusing Dye Solution Mixture  
Chip Priming Solution Mixture  
2X Cell Buffer Mixture  
Cell Fluorescence Buffer Mixture

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

Not classified.

**Ingredients of unknown toxicity** : Focusing Dye Solution Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10%  
Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10%  
Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%  
2X Cell Buffer Percentage of the mixture consisting of ingredient(s) of

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1/18

## SECTION 2: Hazards identification

	Cell Fluorescence Buffer	unknown dermal toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 10 - 30% Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 1 - 10% Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 1 - 10%
<b>Ingredients of unknown ecotoxicity</b>	: Focusing Dye Solution	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9%
	2X Cell Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 11.3%
	Cell Fluorescence Buffer	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 9%

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

<b>Signal word</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No signal word. No signal word. No signal word. No signal word.
<b>Hazard statements</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Precautionary statements</b>		
<b>Prevention</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Response</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Storage</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Supplemental label elements</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Special packaging requirements</b>		

**Agilent Cell Kit, Part Number 5067-1519**

## SECTION 2: Hazards identification

<b>Tactile warning of danger</b>	: Focusing Dye Solution	Not applicable.
	Chip Priming Solution	Not applicable.
	2X Cell Buffer	Not applicable.
	Cell Fluorescence Buffer	Not applicable.

### 2.3 Other hazards

<b>Other hazards which do not result in classification</b>	: Focusing Dye Solution	None known.
	Chip Priming Solution	None known.
	2X Cell Buffer	None known.
	Cell Fluorescence Buffer	None known.

## SECTION 3: Composition/information on ingredients

<b>3.1 Substances</b>	: Focusing Dye Solution	Mixture
	Chip Priming Solution	Mixture
	2X Cell Buffer	Mixture
	Cell Fluorescence Buffer	Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### Type

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

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Eye contact</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
	2X Cell 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.
	Cell Fluorescence 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.
<b>Inhalation</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	2X Cell 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.
	Cell Fluorescence Buffer	Remove victim to fresh air and keep at rest in a position

**Date of issue/Date of revision** : 22/08/2017

## SECTION 4: First aid measures

		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.
<b>Skin contact</b>	: Focusing Dye Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Chip Priming Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	2X Cell Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Cell Fluorescence Buffer	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
	2X Cell 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.
	Cell Fluorescence 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.
<b>Protection of first-aiders</b>	: Focusing Dye Solution	No action shall be taken involving any personal risk or without suitable training.
	Chip Priming Solution	No action shall be taken involving any personal risk or without suitable training.
	2X Cell Buffer	No action shall be taken involving any personal risk or without suitable training.
	Cell Fluorescence Buffer	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>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.
<b>Inhalation</b>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.

Agilent Cell Kit, Part Number 5067-1519

## SECTION 4: First aid measures

<b>Skin contact</b>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.
<b>Ingestion</b>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.

### Over-exposure signs/symptoms

<b>Eye contact</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.
<b>Inhalation</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.
<b>Skin contact</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.
<b>Ingestion</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	2X Cell 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.
	Cell Fluorescence 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.
<b>Specific treatments</b>	: Focusing Dye Solution	No specific treatment.
	Chip Priming Solution	No specific treatment.
	2X Cell Buffer	No specific treatment.
	Cell Fluorescence Buffer	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: Focusing Dye Solution	Use an extinguishing agent suitable for the surrounding fire.
	Chip Priming Solution	Use an extinguishing agent suitable for the surrounding fire.
	2X Cell Buffer	Use an extinguishing agent suitable for the surrounding fire.
	Cell Fluorescence Buffer	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: Focusing Dye Solution	None known.
	Chip Priming Solution	None known.
	2X Cell Buffer	None known.
	Cell Fluorescence Buffer	None known.

### 5.2 Special hazards arising from the substance or mixture

## SECTION 5: Firefighting measures

<b>Hazards from the substance or mixture</b>	: Focusing Dye Solution	In a fire or if heated, a pressure increase will occur and the container may burst.
	Chip Priming Solution	In a fire or if heated, a pressure increase will occur and the container may burst.
	2X Cell Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
	Cell Fluorescence Buffer	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous combustion products</b>	: Focusing Dye Solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds carbonyl halides
	Chip Priming Solution	No specific data.
	2X Cell Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds carbonyl halides metal oxide/oxides
	Cell Fluorescence Buffer	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds carbonyl halides

### 5.3 Advice for firefighters

<b>Special precautions for fire-fighters</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	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 Cell 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.
	Cell Fluorescence 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.
<b>Special protective equipment for fire-fighters</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	2X Cell 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.

Agilent Cell Kit, Part Number 5067-1519

## SECTION 5: Firefighting measures

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

## SECTION 6: Accidental release measures

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

<b>For non-emergency personnel</b>	: Focusing Dye Solution	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Chip Priming Solution	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	2X Cell Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
	Cell Fluorescence Buffer	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	: Focusing Dye Solution	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".
	Chip Priming Solution	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 Cell 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".
	Cell Fluorescence 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".
<b>6.2 Environmental precautions</b>	: Focusing Dye Solution	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).
	Chip Priming Solution	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 Cell 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).
	Cell Fluorescence Buffer	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant

Agilent Cell Kit, Part Number 5067-1519

## SECTION 6: Accidental release measures

authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	2X Cell 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.
	Cell Fluorescence 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.

**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>	: Focusing Dye Solution	Put on appropriate personal protective equipment (see Section 8).
	Chip Priming Solution	Put on appropriate personal protective equipment (see Section 8).
	2X Cell Buffer	Put on appropriate personal protective equipment (see Section 8).
	Cell Fluorescence Buffer	Put on appropriate personal protective equipment (see Section 8).
<b>Advice on general occupational hygiene</b>	: Focusing Dye Solution	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.
	Chip Priming Solution	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 Cell 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.
	Cell Fluorescence Buffer	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.



## SECTION 7: Handling and storage

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

<b>Storage</b>	: Focusing Dye Solution	Storage temperature: 4°C (39.2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	Chip Priming Solution	Storage temperature: 4°C (39.2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	2X Cell Buffer	Storage temperature: 4°C (39.2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	Cell Fluorescence Buffer	Storage temperature: 4°C (39.2°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

<b>Recommendations</b>	: Focusing Dye Solution	Industrial applications, Professional applications.
	Chip Priming Solution	Industrial applications, Professional applications.
	2X Cell Buffer	Industrial applications, Professional applications.
	Cell Fluorescence Buffer	Industrial applications, Professional applications.
<b>Industrial sector specific solutions</b>	: Focusing Dye Solution	Not applicable.
	Chip Priming Solution	Not applicable.
	2X Cell Buffer	Not applicable.
	Cell Fluorescence Buffer	Not applicable.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No exposure limit value known.

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

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available

### 8.2 Exposure controls

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

#### Individual protection measures

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

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

#### Skin protection

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

**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>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Liquid. Liquid. Liquid. Liquid.
<b>Colour</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Blue. Not available. Not available. Not available.
<b>Odour</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Odour threshold</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>pH</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Melting point/freezing point</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	0°C 0°C Not available. Not available.
<b>Initial boiling point and boiling range</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	100°C 100°C Not available. Not available.
<b>Flash point</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Evaporation rate</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Flammability (solid, gas)</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not applicable. Not applicable. Not applicable. Not applicable.
<b>Upper/lower flammability or explosive limits</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.

Agilent Cell Kit, Part Number 5067-1519

## SECTION 9: Physical and chemical properties

<b>Vapour pressure</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Vapour density</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Relative density</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Solubility(ies)</b>	:	Focusing Dye Solution  Chip Priming Solution  2X Cell Buffer  Cell Fluorescence Buffer	Easily soluble in the following materials: cold water and hot water.  Easily soluble in the following materials: cold water and hot water.  Partially soluble in the following materials: cold water and hot water.  Soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Auto-ignition temperature</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Decomposition temperature</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Viscosity</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Explosive properties</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.
<b>Oxidising properties</b>	:	Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	Not available. Not available. Not available. Not available.

### 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity</b>	: Focusing Dye Solution	No specific test data related to reactivity available for this product or its ingredients.
	Chip Priming Solution	No specific test data related to reactivity available for this product or its ingredients.
	2X Cell Buffer	No specific test data related to reactivity available for this product or its ingredients.
	Cell Fluorescence Buffer	No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: Focusing Dye Solution	The product is stable.
	Chip Priming Solution	The product is stable.
	2X Cell Buffer	The product is stable.
	Cell Fluorescence Buffer	The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Focusing Dye Solution	Under normal conditions of storage and use, hazardous reactions will not occur.
	Chip Priming Solution	Under normal conditions of storage and use, hazardous reactions will not occur.
	2X Cell Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
	Cell Fluorescence Buffer	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.
<b>10.5 Incompatible materials</b>	: Focusing Dye Solution	May react or be incompatible with oxidising materials.
	Chip Priming Solution	May react or be incompatible with oxidising materials.
	2X Cell Buffer	May react or be incompatible with oxidising materials.
	Cell Fluorescence Buffer	May react or be incompatible with oxidising materials.
<b>10.6 Hazardous decomposition products</b>	: Focusing Dye Solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Chip Priming Solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	2X Cell Buffer	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	Cell Fluorescence Buffer	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

Not available.

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

**Conclusion/Summary** : Not available.

#### Sensitiser

**Conclusion/Summary** : Not available.

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

Not available.

Agilent Cell Kit, Part Number 5067-1519

## SECTION 11: Toxicological information

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

<b>Information on likely routes of exposure</b>	: Focusing Dye Solution	Not available.
	Chip Priming Solution	Not available.
	2X Cell Buffer	Not available.
	Cell Fluorescence Buffer	Not available.

### Potential acute health effects

<b>Inhalation</b>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.
<b>Ingestion</b>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.
<b>Skin contact</b>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.
<b>Eye contact</b>	: Focusing Dye Solution	No known significant effects or critical hazards.
	Chip Priming Solution	No known significant effects or critical hazards.
	2X Cell Buffer	No known significant effects or critical hazards.
	Cell Fluorescence Buffer	No known significant effects or critical hazards.

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

<b>Inhalation</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.
<b>Ingestion</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.
<b>Skin contact</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.
<b>Eye contact</b>	: Focusing Dye Solution	No specific data.
	Chip Priming Solution	No specific data.
	2X Cell Buffer	No specific data.
	Cell Fluorescence Buffer	No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

### Potential chronic health effects

**Date of issue/Date of revision** : 22/08/2017

14/18

Agilent Cell Kit, Part Number 5067-1519

## SECTION 11: Toxicological information

<b>General</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Teratogenicity</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Developmental effects</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Fertility effects</b>	: Focusing Dye Solution Chip Priming Solution 2X Cell Buffer Cell Fluorescence Buffer	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

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

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

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

Agilent Cell Kit, Part Number 5067-1519

## 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** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### 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. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

**ADR/RID / IMDG / IATA** : Not regulated.

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

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

## SECTION 15: Regulatory information

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

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

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	<b>Annex XVII - Restrictions</b> : Focusing Dye Solution	Not applicable.
	Chip Priming Solution	Not applicable.
	2X Cell Buffer	Not applicable.
	Cell Fluorescence Buffer	Not applicable.

#### Other EU regulations

##### Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

##### Seveso Directive

This product is not controlled under the Seveso Directive.

#### International regulations

**Date of issue/Date of revision** : 22/08/2017

16/18



Agilent Cell Kit, Part Number 5067-1519

## SECTION 15: Regulatory information

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

Not listed.

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

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

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

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

<b>Australia</b>	: Not determined.
<b>Canada</b>	: Not determined.
<b>China</b>	: Not determined.
<b>Europe</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>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: Not determined.
<b>Viet Nam</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
Not classified.	

### Full text of abbreviated H statements

Not applicable.

### Full text of classifications [CLP/GHS]

Not applicable.

**Date of issue/Date of revision** : 22/08/2017

17/18

*Agilent Cell Kit, Part Number 5067-1519*

## **SECTION 16: Other information**

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**Date of previous issue** : No previous validation.

**Version** : 1

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