

# SAFETY DATA SHEET



Flow Cytometer (NovoCyte, Advanteon, Quanteon) Startup Kit, Part Number 8100001

## Section 1. Identification

**Product identifier** : Flow Cytometer (NovoCyte, Advanteon, Quanteon) Startup Kit, Part Number 8100001

**Part no. (chemical kit)** : 8100001

**Part no.** :  NovoRinse solution 872B603C  
 NovoFlow sheath fluid 875B601C

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

**Material uses** : For research use only. Not for use in diagnostic procedures (RUO).  
 NovoRinse solution 1 x 500 ml  
 NovoFlow sheath fluid 1 x 10 L

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

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

## Section 2. Hazard(s) identification

### Classification of the substance or mixture

Not classified.

### GHS label elements

**Signal word** :  NovoRinse solution No signal word.  
 NovoFlow sheath fluid No signal word.

**Hazard statements** :  NovoRinse solution No known significant effects or critical hazards.  
 NovoFlow sheath fluid No known significant effects or critical hazards.

### Precautionary statements

**Prevention** :  NovoRinse solution Not applicable.  
 NovoFlow sheath fluid Not applicable.

**Response** :  NovoRinse solution Not applicable.  
 NovoFlow sheath fluid Not applicable.

**Storage** :  NovoRinse solution Not applicable.  
 NovoFlow sheath fluid Not applicable.

**Disposal** :  NovoRinse solution Not applicable.  
 NovoFlow sheath fluid Not applicable.

### Supplemental label elements

**Additional warning phrases** :  NovoRinse solution Not applicable.  
 NovoFlow sheath fluid Not applicable.

**Other hazards which do not result in classification** :  NovoRinse solution None known.  
 NovoFlow sheath fluid None known.

## Section 3. Composition and ingredient information

**Substance/mixture** :  NovoRinse solution Mixture  
NovoFlow sheath fluid Mixture





### CAS number/other identifiers

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 and hence require reporting in this section.

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





## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	:  NovoRinse 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.
	NovoFlow sheath fluid	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>	:  NovoRinse solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	NovoFlow sheath fluid	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>	:  NovoRinse solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	NovoFlow sheath fluid	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
<b>Ingestion</b>	:  NovoRinse 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.
	NovoFlow sheath fluid	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.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	:  NovoRinse solution NovoFlow sheath fluid	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	:  NovoRinse solution NovoFlow sheath fluid	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	:  NovoRinse solution NovoFlow sheath fluid	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	:  NovoRinse solution NovoFlow sheath fluid	No known significant effects or critical hazards. No known significant effects or critical hazards.

### Over-exposure signs/symptoms

## Section 4. First aid measures

<b>Eye contact</b>	: NovoRinse solution	No specific data.
	NovoFlow sheath fluid	No specific data.
<b>Inhalation</b>	: NovoRinse solution	No specific data.
	NovoFlow sheath fluid	No specific data.
<b>Skin contact</b>	: NovoRinse solution	No specific data.
	NovoFlow sheath fluid	No specific data.
<b>Ingestion</b>	: NovoRinse solution	No specific data.
	NovoFlow sheath fluid	No specific data.

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

<b>Notes to physician</b>	: NovoRinse solution	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	NovoFlow sheath fluid	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: NovoRinse solution	No specific treatment.
	NovoFlow sheath fluid	No specific treatment.
<b>Protection of first-aiders</b>	: NovoRinse solution	No action shall be taken involving any personal risk or without suitable training.
	NovoFlow sheath fluid	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media


<b>Suitable extinguishing media</b>	: NovoRinse solution	Use an extinguishing agent suitable for the surrounding fire.
	NovoFlow sheath fluid	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: NovoRinse solution	None known.
	NovoFlow sheath fluid	None known.
<b>Specific hazards arising from the chemical</b>	: NovoRinse solution	In a fire or if heated, a pressure increase will occur and the container may burst.
	NovoFlow sheath fluid	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: NovoRinse solution	No specific data.
	NovoFlow sheath fluid	No specific data.
<b>Special protective actions for fire-fighters</b>	: NovoRinse 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.
	NovoFlow sheath fluid	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>	: NovoRinse solution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	NovoFlow sheath fluid	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.


## Section 5. Firefighting measures


**Hazchem code** :  NovoRinse solution Not available.  
 NovoFlow sheath fluid Not available.

## Section 6. Accidental release measures


### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** :  NovoRinse 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.  
 NovoFlow sheath fluid No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

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


**Environmental precautions** :  NovoRinse 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).  
 NovoFlow sheath fluid Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

**Methods for cleaning up** :  NovoRinse 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.  
 NovoFlow sheath fluid Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures** :  NovoRinse solution Put on appropriate personal protective equipment (see Section 8).  
 NovoFlow sheath fluid Put on appropriate personal protective equipment (see Section 8).

## Section 7. Handling and storage

### Advice on general occupational hygiene

: NovoRinse 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.

NovoFlow sheath fluid

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

**Conditions for safe storage, including any incompatibilities** : NovoRinse solution

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.

NovoFlow sheath fluid

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

## Section 8. Exposure controls and personal protection

### Control parameters

### Occupational exposure limits

None.

### **Appropriate engineering controls**

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

### **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.

### 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.

## Section 8. Exposure controls and personal protection

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

## Section 9. Physical and chemical properties

### Appearance

<b>Physical state</b>	: NovoRinse solution NovoFlow sheath fluid	Liquid. Liquid.
<b>Colour</b>	: NovoRinse solution NovoFlow sheath fluid	Colourless. Colourless.
<b>Odour</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>Odour threshold</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>pH</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. 7
<b>Melting point</b>	: NovoRinse solution NovoFlow sheath fluid	0°C (32°F) 0°C (32°F)
<b>Boiling point</b>	: NovoRinse solution NovoFlow sheath fluid	100°C (212°F) 100°C (212°F)
<b>Flash point</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>Evaporation rate</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>Flammability (solid, gas)</b>	: NovoRinse solution NovoFlow sheath fluid	Not applicable. Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>Vapour pressure</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>Vapour density</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>Relative density</b>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.
<b>Solubility</b>	: NovoRinse solution  NovoFlow sheath fluid	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>	: NovoRinse solution NovoFlow sheath fluid	Not available. Not available.

## Section 9. Physical and chemical properties

<b>Auto-ignition temperature</b>	: NovoRinse solution	Not available.
	NovoFlow sheath fluid	Not available.
<b>Decomposition temperature</b>	: NovoRinse solution	Not available.
	NovoFlow sheath fluid	Not available.
<b>Viscosity</b>	: NovoRinse solution	Not available.
	NovoFlow sheath fluid	Not available.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: NovoRinse solution	No specific test data related to reactivity available for this product or its ingredients.
	NovoFlow sheath fluid	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: NovoRinse solution	The product is stable.
	NovoFlow sheath fluid	The product is stable.
<b>Possibility of hazardous reactions</b>	: NovoRinse solution	Under normal conditions of storage and use, hazardous reactions will not occur.
	NovoFlow sheath fluid	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: NovoRinse solution	No specific data.
	NovoFlow sheath fluid	No specific data.
<b>Incompatible materials</b>	: NovoRinse solution	May react or be incompatible with oxidising materials.
	NovoFlow sheath fluid	May react or be incompatible with oxidising materials.
<b>Hazardous decomposition products</b>	: NovoRinse solution	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
	NovoFlow sheath fluid	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitisation

Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

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

Not available.

## Section 11. Toxicological information

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : NovoRinse solution Not available.  
NovoFlow sheath fluid Not available.

### Potential acute health effects

**Eye contact** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

**Inhalation** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

**Skin contact** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

**Ingestion** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

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

**Eye contact** : NovoRinse solution No specific data.  
NovoFlow sheath fluid No specific data.

**Inhalation** : NovoRinse solution No specific data.  
NovoFlow sheath fluid No specific data.

**Skin contact** : NovoRinse solution No specific data.  
NovoFlow sheath fluid No specific data.

**Ingestion** : NovoRinse solution No specific data.  
NovoFlow sheath fluid No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

**General** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

**Carcinogenicity** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

**Mutagenicity** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

**Reproductive toxicity** : NovoRinse solution No known significant effects or critical hazards.  
NovoFlow sheath fluid No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

N/A



## Section 11. Toxicological information

**Other information** : NovoRinse solution Not available.  
NovoFlow sheath fluid Not available.

## Section 12. Ecological information

### Toxicity

Not available.

### Persistence and degradability

Not available.

### Bioaccumulative potential

Not available.

### Mobility in soil

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

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

## Section 13. Disposal considerations

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

## Section 14. Transport information

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

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

**Transport in bulk according to IMO instruments** : Not available.

## Section 15. Regulatory information

### Standard for the Uniform Scheduling of Medicines and Poisons

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### Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

### International regulations

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

Not listed.

#### Montreal Protocol

## Section 15. Regulatory information

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>	: All components are listed or exempted.
<b>Canada</b>	: All components are listed or exempted.
<b>China</b>	: All components are listed or exempted.
<b>Europe</b>	: All components are listed or exempted.
<b>Japan</b>	: <b>Japan inventory (ENCS)</b> : All components are listed or exempted. <b>Japan inventory (ISHL)</b> : All components are listed or exempted.
<b>New Zealand</b>	: All components are listed or exempted.
<b>Philippines</b>	: All components are listed or exempted.
<b>Republic of Korea</b>	: All components are listed or exempted.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: All components are active or exempted.
<b>Viet Nam</b>	: All components are listed or exempted.

## Section 16. Any other relevant information

### [History](#)

<b>Date of issue/Date of revision</b>	: 12/10/2020
<b>Date of previous issue</b>	: 09/04/2020
<b>Version</b>	: 2.1

### [Key to abbreviations](#)

<b>ADG</b>	= Australian Dangerous Goods
<b>ADR</b>	= The European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ATE</b>	= Acute Toxicity Estimate
<b>BCF</b>	= Bioconcentration Factor
<b>GHS</b>	= Globally Harmonized System of Classification and Labelling of Chemicals
<b>IATA</b>	= International Air Transport Association
<b>IBC</b>	= Intermediate Bulk Container
<b>IMDG</b>	= International Maritime Dangerous Goods
<b>LogPow</b>	= logarithm of the octanol/water partition coefficient
<b>MARPOL</b>	= International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
<b>N/A</b>	= Not available
<b>SUSMP</b>	= Standard Uniform Schedule of Medicine and Poisons
<b>UN</b>	= United Nations

### [Procedure used to derive the classification](#)

Classification	Justification
<input checked="" type="checkbox"/> Not classified.	

**References** : Not available.

Indicates information that has changed from previously issued version.

### [Notice to reader](#)

## Section 16. Any other relevant information

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