



## Safety Data Sheet

Effective Date: May, 2020

VanA / VanA/B Elution Reagent

### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product Identifier

**Product Name** VanA / VanA/B Elution Reagent  
**Product Code** 700-5662; 700-5663

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Relevant Identified Use(s)** Laboratory use

#### 1.3 Details of the Supplier of the Safety Data Sheet

**Manufacturer** Cepheid  
904 Caribbean Drive  
Sunnyvale, CA 94089  
United States  
[www.cepheid.com](http://www.cepheid.com)  
US: [techsupport@cepheid.com](mailto:techsupport@cepheid.com)

**Telephone (General)** 1 (888) 838-3222 - US Option 2  
**Telephone (General)** 1 (408) 541-4191 - Outside of the US

**Supplier** Cepheid AB  
Röntgenvägen 5  
SE-171 54 Solna  
Sweden  
[www.cepheidinternational.com](http://www.cepheidinternational.com)  
EU: [support@cepheideurope.com](mailto:support@cepheideurope.com)

**Telephone (General)** 33 563 825 319 - EU  
Cepheid Holdings Pty Ltd  
23-27 Chaplin Drive  
Lane Cove West NSW 2066  
Australia  
[www.cepheidinternational.com](http://www.cepheidinternational.com)  
ANZ: [TechSupportANZ@cepheid.com](mailto:TechSupportANZ@cepheid.com)

**Telephone (Australia)** 1800 107 884

#### 1.4 Emergency Telephone Number

**Manufacturer** 1 (800) 535-5053 - INFOTRAC - 24 hr Emergency  
**Manufacturer** 1 (352) 323-3500 - Outside of the US

**Section 2: Hazards Identification****EU/EEC**

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

**2.1 Classification of the Substance or Mixture**

**CLP** The following SDS is for the final finished mixture product only as used in the laboratory. The product contains liquids. Exemptions for disclosing some component information are pursuant to CLP Article 1(5)(d) and 29 CFR 1910.1200(g)(2)(i)(C)(1)&(2).  
Not classified

**2.2 Label Elements**

**CLP**  
**Hazard Statements** No label element(s) required

**2.3 Other Hazards**

**CLP** According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

**UN GHS Revision 3**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Third Revised Edition

**2.1 Classification of the Substance or Mixture**

**UN GHS** The following SDS is for the final finished mixture product only as used in the laboratory. The product contains liquids. Exemptions for disclosing some component information are pursuant to CLP Article 1(5)(d) and 29 CFR 1910.1200(g)(2)(i)(C)(1)&(2).  
Not classified

**2.2 Label Elements**

**UN GHS**  
**Hazard Statements** No label element(s) required  
**Precautionary Statements**

**2.3 Other Hazards**

**UN GHS** According to the Globally Harmonized System for Classification and Labeling (GHS) this product is not considered hazardous.

**United States (US)**

According to: OSHA 29 CFR 1910.1200 HCS

## 2.1 Classification of the Substance or Mixture

### OSHA HCS 2012

The following SDS is for the final finished mixture product only as used in the laboratory. The product contains liquids. Exemptions for disclosing some component information are pursuant to CLP Article 1(5)(d) and 29 CFR 1910.1200(g)(2)(i)(C)(1)&(2).  
Not classified

## 2.2 Label Elements

### OSHA HCS 2012

**Hazard Statements** No label element(s) required

## 2.3 Other Hazards

### OSHA HCS 2012

This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

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## Canada

According to: WHMIS

## 2.1 Classification of the Substance or Mixture

### WHMIS

The following SDS is for the final finished mixture product only as used in the laboratory. The product contains liquids. Exemptions for disclosing some component information are pursuant to CLP Article 1(5)(d) and 29 CFR 1910.1200(g)(2)(i)(C)(1)&(2).  
Not classified

## 2.2 Label Elements

### WHMIS

No label element(s) required.

## 2.3 Other Hazards

### WHMIS

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

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## 2.4 Other Information

Dye constituents are at concentrations less than 1% of the entire article or not regulated as hazardous under US hazard communication regulations (29 CFR 1910.1200), EU Directives for classification and labeling of substances and mixtures, or the Global Harmonization System for classification and labeling of substances or mixtures.

## Section 3: Composition/Information on Ingredients

### 3.1 Substances

Ingredients are not considered hazardous under EU directives for classification and labeling of substances or mixtures or the Global Harmonization System for classification and labeling of substances or mixtures.

### 3.2 Mixtures

Material does not meet the criteria of a mixture.

## Section 4: First Aid Measures

### 4.1 Description of First Aid Measures

<b>Inhalation</b>	First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Move victim to fresh air. Administer oxygen if breathing is difficult. Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Give artificial respiration if victim is not breathing.
<b>Skin</b>	First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. For minor skin contact, avoid spreading material on unaffected skin. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing.
<b>Eye</b>	First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Obtain medical attention immediately if ingested.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Refer to Section 11 - Toxicological Information.

### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

<b>Notes to Physician</b>	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
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## Section 5: Firefighting Measures

### 5.1 Extinguishing Media

<b>Suitable Extinguishing Media</b>	In case of fire use media as appropriate for surrounding fire.
<b>Unsuitable Extinguishing Media</b>	No data available

### 5.2 Special Hazards Arising from the Substance or Mixture

<b>Unusual Fire and Explosion Hazards</b>	Not flammable or combustible.
<b>Hazardous Combustion Products</b>	No data available

### 5.3 Advice for Firefighters

Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Wear positive pressure self-contained breathing apparatus (SCBA).

SMALL FIRES: Move containers from fire area if you can do it without risk.

## Section 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

#### Personal Precautions

In the event a cartridge is broken these personal precautions are applicable. Ventilate enclosed areas. Wear appropriate protective clothing. Do not walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

#### Emergency Procedures

No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

### 6.2 Environmental Precautions

Avoid run off to waterways and sewers.

### 6.3 Methods and Material for Containment and Cleaning Up

#### Containment/

#### Clean-up Measures

For small spills, wear gloves and absorb spill with paper towel. Do not dispose spilled materials down drain.

### 6.4 Reference to Other Sections

Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7: Handling and Storage

### 7.1 Precautions for Safe Handling

#### Handling

No special handling necessary. If cartridge is broken avoid contact with spilled reagents. Avoid contact with skin and eyes.

### 7.2 Conditions for Safe Storage, Including Any Incompatibilities

#### Storage

Store according to product labeling. Keep container/package tightly closed in a cool, well-ventilated place. Keep away from incompatible materials.

### 7.3 Specific End Use(s)

Refer to Section 1.2 - Relevant identified uses.

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

**Exposure Limits/Guidelines** No applicable exposure limits available for product or components.

### 8.2 Exposure Controls

**Engineering Measures/Controls** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

#### Personal Protective Equipment

**Respiratory** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

**Eye/Face** Wear chemical splash safety goggles.

**Skin/Body** In laboratory setting, wear gloves and lab coat at a minimum to minimize skin contact.

**Environmental Exposure Controls** Follow best practice for site management and disposal of waste.

## Section 9: Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

<b>Material Description</b>			
Physical Form	Liquid	Appearance/Description	Dyes are solutions of varying color, components are odorless.
Color	Varying	Odor	Odorless
Odor Threshold	Data lacking		
<b>General Properties</b>			
Boiling Point	100 °C (212 °F)	Melting Point/Freezing Point	0 °C (32 °F)
Decomposition Temperature	Data lacking	pH	6 to 9
Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
<b>Volatility</b>			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
<b>Flammability</b>			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition Coefficient	Data lacking		

### 9.2 Other Information

No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical Stability

Stable

### 10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### 10.4 Conditions to Avoid

No data available

### 10.5 Incompatible Materials

No data available

### 10.6 Hazardous Decomposition Products

No data available

## Section 11: Toxicological Information

### 11.1 Information on Toxicological Effects

GHS Properties	Classification
Acute Toxicity	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Skin Corrosion/Irritation	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Serious Eye Damage/Irritation	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Skin Sensitization	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Respiratory Sensitization	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Aspiration Hazard	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Carcinogenicity	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
Germ Cell Mutagenicity	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking

GHS Properties	Classification
Toxicity for Reproduction	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
STOT-SE	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking
STOT-RE	EU/CLP•Data lacking UN GHS 3•Data lacking OSHA HCS 2012•Data lacking

## Potential Health Effects

### Inhalation

**Acute (Immediate)** No symptoms expected.

**Chronic (Delayed)** No data available

### Skin

**Acute (Immediate)** No symptoms expected.

**Chronic (Delayed)** No data available

### Eye

**Acute (Immediate)** No symptoms expected.

**Chronic (Delayed)** No data available

### Ingestion

**Acute (Immediate)** No data available

**Chronic (Delayed)** No data available

## Section 12: Ecological Information

### 12.1 Toxicity

Material data lacking.

### 12.2 Persistence and Degradability

Material data lacking.

### 12.3 Bioaccumulative Potential

Material data lacking.

### 12.4 Mobility in Soil

Material data lacking.

### 12.5 Results of PBT and vPvB Assessment

No PBT and vPvB assessment has been conducted.

### 12.6 Other Adverse Effects

No studies have been found.



**Section 13: Disposal Considerations**

**13.1 Waste Treatment Methods**

- Product Waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging Waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**13.2 Other Information**

Biological specimens mixed with beads should be treated as capable of transmitting infectious agents. Consult your institution's environmental waste personnel on proper disposal of used specimens.

**Section 14: Transport Information**

	<b>14.1 UN Number</b>	<b>14.2 UN Proper Shipping Name</b>	<b>14.3 Transport Hazard Class(es)</b>	<b>14.4 Packing Group</b>	<b>14.5 Environmental Hazards</b>
<b>DOT</b>	NDA	Not Regulated	NDA	NDA	NDA
<b>TDG</b>	NDA	Not Regulated	NDA	NDA	NDA
<b>IMO/IMDG</b>	NDA	Not Regulated	NDA	NDA	NDA
<b>IATA/ICAO</b>	NDA	Not Regulated	NDA	NDA	NDA

**14.6 Special Precautions for User**

None specified.

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Data lacking.

**Section 15: Regulatory Information**

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**SARA Hazard Classifications** None

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out.



**Section 16: Other Information**

**Disclaimer/  
Statement of Liability**

The above information is based on data available to us and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it must make their own determination of the effects, properties, protections, and disposal which pertain to their particular conditions. No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the materials, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material. The above information is offered in good faith and with the belief that it is accurate. As of the date of issuance, we are providing all information relevant to the foreseeable handling of the material. However, in the event of an adverse incident associated with this product, this Safety Data Sheet is not, and is not intended to be, a substitute for consultation with appropriately trained personnel.

**Key to abbreviations**  
NDA = No data available