

**Document Title:** FX CE IVD Diluent 1000ml Safety Data Sheet  
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## Safety Data Sheet

### FX CE IVD Diluent 1000ml

#### 1. Product and Company Identification

##### Product identifier

Reagent Trade Name: FX CE IVD Diluent 1000ml  
Product Code: CBB-F016013-C

##### Relevant identified uses of the product

For In Vitro Diagnostic.

##### Company name and information

Company name	:	Biolidics Ltd
Company address	:	81 Science Park Drive #02-03 The Chadwick, Singapore Science Park 1 Singapore 118257
Emergency Telephone Number	:	+65 6482 0668
Telephone Number for Information	:	+65 6482 0668

Prepared by: Biolidics Ltd  
Tel: +65 6482 0668

#### 2. Hazards Identification

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

##### Other hazards

Data not available.

#### 3. Composition/Information on Ingredients

Chemical Identity: Sodium Chloride

Synonyms: Salt

Rock Salt

Saline

Table Salt

Molecular Formula: NaCl

Molecular Weight: 58.44 g/mol

CAS No.: 7647-14-5

EC No.: 231-598-3

Chemical Identity: Potassium Chloride

Synonyms: Chlorvescent Klotrix Potassium Monochloride

Potassium Muriate

Molecular Formula: KCl

Molecular Weight: 74.55 g/mol

CAS No.: 7447-40-7

EC No.: 231-211-8

Chemical Identity: Sodium Phosphate

Synonyms: Dibasic sodium phosphate

Disodium hydrogen phosphate

Disodium orthophosphate

Sodium hydrogen phosphate

Disodium monohydrogen phosphate

Phosphoric acid disodium salt

Sodium monohydrogen phosphate

Disodium phosphate

Disodium hydrogen orthophosphate

Disodium phosphoric acid

DSP

Sodium acid phosphate

Soda phosphate

Molecular Formula:  $\text{Na}_2\text{HPO}_4$

Molecular Weight: 141.96 g/mol

CAS No.: 7558-79-4

EC No.: 231-448-7

Chemical Identity: Potassium Phosphate

Synonyms: Potassium acid phosphate

Potassium dihydrogenphosphate

Monopotassium phosphate

Molecular formula:  $\text{KH}_2\text{PO}_4$

Molecular Weight: 136.08 g/mol

CAS No.: 7778-77-0

EC No.: 231-913-4

#### 4. First Aid Measures

##### **Eye Contact**

Flush eyes with water as a precaution.

##### **Skin Contact**

Immediately wash skin thoroughly with soap and copious amounts of water.

##### **Inhalation**

Remove to fresh air. If not breathing, give artificial respiration or if breathing is difficult, give oxygen.

##### **Ingestion**

Never give anything by mouth to an unconscious person. Rinse mouth with water.

##### **Most important symptoms and effects, both acute and delayed**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

##### **Indication of immediate medical attention and special treatment needed**

Data not available.

#### 5. Fire Fighting Measures

##### **Extinguishing Media**

Use water spray, dry chemical powder, carbon dioxide or alcohol-resistant foam.

##### **Special Exposure Hazards**

Oxides of phosphorus, Hydrogen chloride gas, Potassium oxides, Sodium oxides

##### **Special Fire-fighting Procedures**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

#### 6. Accidental Release Measures

##### **Personal Precautions**

Use personal protective equipment. Prevent skin/eye contact.

### **Environmental Precautions**

Do not allow material into sewers and drainage systems.

### **Methods for Cleaning Up**

Clean up spills immediately, observing precautions in the safety data sheet and label. Dispose into a chemical waste container.

## 7. Handling and Storage

### **Precautions for safe handling**

Use with adequate ventilation as necessary or desired. Wash thoroughly after handling.

Remove contaminated clothing and wash before reuse. Follow all SDS/ label precautions. Avoid contact with skin and eyes.

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

Store in tightly closed container in a cool, dry and well-ventilated area.

## 8. Exposure Controls/Personal Protection

### **Occupational Exposure Limits**

We are not aware of any national exposure limit.

### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice.

### **Eye/ Face Protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### **Skin/ Hand Protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### **Body protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory Protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## 9. Physical and Chemical Properties

- a) Appearance Colourless solution
- b) Odour Odourless
- c) Odour Threshold Not available
- d) pH (Neat, 25 °C) 7.2 – 7.6
- e) Melting/freezing point Not available
- f) Initial boiling point and Not available boiling range
- g) Flash point Not available
- h) Evaporation rate Not available

- i) Flammability (solid, gas) Not available
- j) Upper/lower Not available  
flammability or  
explosive limits
- k) Vapour pressure (mm Hg) Not available
- l) Vapour density Not available
- m) Relative density Not available
- n) Water solubility Not available
- o) Partition coefficient: Not available  
n-octanol/water
- p) Autoignition temperature Not available
- q) Decomposition temperature Not available
- r) Viscosity Not available

## 10. Stability and Reactivity

### **Reactivity**

Data not available.

### **Chemical stability**

Stable.

### **Possibility of hazardous reactions**

Data not available.

### **Conditions to avoid**

Data not available.

### **Incompatible material**

Data not available.

### **Hazardous decomposition products**

Data not available.

## 11. Toxicological Information

### **Acute toxicity**

Data not available.

### **Skin corrosion/irritation**

Data not available.

### **Serious eye damage/eye irritation**

Data not available.

### **Respiratory or skin sensitization**

Data not available.

### **Germ cell mutagenicity**

Data not available.

### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### **Reproductive toxicity**

Data not available.

### **Specific target organ toxicity – single exposure**

Data not available.

### **Specific target organ toxicity – repeated exposure**

Data not available.

### **Aspiration hazard**

Data not available.

### **Likely routes of exposure**

Eye contact. Inhalation. Health effects not known.

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

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

## **Delayed and immediate effects and also chronic effects from short and long term exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **Numerical measures of toxicity**

Data not available.

## **Interactive effects**

Data not available.

## 12. Ecological Information

### **Toxicity**

Data not available.

### **Persistence and degradability**

Data not available.

### **Bioaccumulative potential**

Data not available.

### **Mobility in soil**

Data not available.

### **Other adverse effect**

Data not available.

## 13. Disposal Considerations

### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

### **Contaminated packaging**

Dispose of as unused product.

## 14. Transport Information

### **UN Number**

ADR/RID: - IMDG: - IATA-DGR: -

### **UN Proper Shipping Name:**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA-DGR: Not dangerous goods

### **Transport Hazard Class(es)**

ADR/RID: - IMDG: - IATA-DGR: -

### **Packing Group**

ADR/RID: - IMDG: - IATA-DGR: -

### **Environmental Hazards**

ADR/RID: no IMDG: marine pollutant: no IATA-DGR: no

### **Special Precaution for Users**

Data not available

## 15. Regulatory Information

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



**Notification status**

**AICS:** On the inventory, or in compliance with the inventory

**DSL:** All components of this product are on the Canadian DSL list.

**ENCS:** On the inventory, or in compliance with the inventory

**IECSC:** On the inventory, or in compliance with the inventory

**ISHL:** On the inventory, or in compliance with the inventory

**KECI:** On the inventory, or in compliance with the inventory

**NZIoC:** On the inventory, or in compliance with the inventory

**PICCS:** On the inventory, or in compliance with the inventory

**16. Other Information**

The information provided in this document is believed to be accurate based on current knowledge and is to be used only as a guide with regards to appropriate safety precautions. This cannot be used as a guarantee for product features/properties. Clearbridge BioMedics Pte Ltd is not held liable for any damage resulting from handling or from contact with the above product.