

## Safety Data Sheet

Revision Date: 17-May-2017

24 Hour Emergency #: 1-800-255-3924

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: Serum Free Cryo Medium (2X concentrated)  
 CATALOG NUMBER: 163-320-051  
 CHEMICAL NAME: Aqueous solution of Sodium Chloride, Potassium Chloride, Magnesium Chloride Hexahydrate, Magnesium Sulfate Heptahydrate, Calcium Chloride Anhydrous, Sodium Phosphate Dibasic Heptahydrate, Potassium Phosphate Monobasic, Amino acids, vitamins, Pyruvate, DMSO, and HEPES.

#### Company/Undertaking Identification

Quality Biological Inc.  
 7581 Lindbergh Drive  
 Gaithersburg, MD 20879  
 301-840-9331

### 2. HAZARDS IDENTIFICATION

#### Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health

#### Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Form:** Liquid

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Value	Concentration	Basis
Dimethyl sulfoxide	67-68-5	TWA	7-15%	USA.Workplace Environmental Exposure Levels (WEEL)

#### Principle Routes of Exposure/ Potential Health effects

Eyes	No information available
Skin	No information available



**Inhalation**  
**Ingestion**

No information available  
No information available

## **Specific effects**

**Carcinogenic effects**  
**Mutagenic effects**  
**Reproductive toxicity**  
**Sensitization**

No information available  
No information available  
No information available  
No information available

## **Target Organ Effects**

No information available

## **HMIS**

Health	0
Flammability	0
Reactivity	0

## 4. FIRST AID MEASURES

**Skin contact**

Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

**Eye contact**

Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

**Ingestion**

Never give anything by mouth to an unconscious person

**Inhalation**

If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician

**Notes to physician**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**General:** Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

**Extinguishing Media:** Substance is non-combustible, use most readily available; Water Spray, Carbon Dioxide, dry chemical powder or appropriate foam.

**Autoignition Temperature:** N/A

**Explosion limits:** N/A

**Flash Point:** Not Available

## 6. ACCIDENTAL RELEASE MEASURES

**Use Personal Protective Equipment:** Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Spills and Leaks:** Absorb spill with inert material (e.g. Vermiculite, sand, earth) then place in a suitable container. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

## 7. HANDLING AND STORAGE

### Handling

No special handling advice required

### Storage

Store in a tightly closed container frozen.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational exposure controls

#### Exposure limits

##### Engineering measures

Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment

##### Hand protection

Protective gloves

##### Eye protection

Safety glasses with side-shields

##### Skin and body protection

Lightweight protective clothing.

##### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice

##### Environmental exposure

##### Controls

Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General Information

#### Form

Liquid

### Important Health Safety and Environmental Information

#### Boiling point/range

°C No data available

°F No data available

#### Melting point/range

°C No data available

°F No data available

#### Flash point

°C No data available

°F No data available

#### Autoignition temperature

°C No data available

°F No data available

#### Oxidizing properties

No information available

#### Water solubility

No data available

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Materials to avoid

No information available

### Hazardous decomposition products

No information available

### Polymerization

Hazardous polymerisation does not occur.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****Principle Routes of Exposure/ Potential Health effects**

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available

**Specific effects**

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

**Target Organ Effects**

No information available

**12. ECOLOGICAL INFORMATION**

No Information found.

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations

**14. TRANSPORT INFORMATION****IATA**

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

**DOT**

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

**15. REGULATORY INFORMATION****International Inventories****U.S. Federal Regulations****SARA 313**

This product is not regulated by SARA.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain HAPs.

**U.S. State Regulations****California Proposition 65**

This product does not contain chemicals listed under Proposition 65

**WHMIS hazard class:**

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

**16. OTHER INFORMATION**

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

**THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.**

**End of Safety Data Sheet**