

# Safety Data Sheet

## Growth Factor MeC Master Mix, Control MeC Master Mix, Medium

Updated: 08/30/23

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### 1. IDENTIFICATION

**Product Name(s):**

Growth Factor MeC Master Mix (Low Serum)  
Control MeC Master Mix (Low Serum)  
Medium

**Product Code:**

MeC GFMM, MeC CMM, Medium

**Product Use:**

Growth medium, control medium, or base medium for hematopoietic stem and progenitor cell culture.

**Synonyms:**

MeC GFMM (Growth Factor MeC Master Mix), MeC CMM (Control MeC Master Mix), IMDM

**Supplier:**

Preferred Cell Systems™  
1485 Garden of the Gods Road, Suite 152  
Colorado Springs, CO 80907 USA  
719-264-6251

**Emergency Response: 1-719-264-6251 M-F 8-5pm MST**  
**For research use only**

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:**

Signal Word: Not Hazardous  
Health Hazards: Not Hazardous  
Physical Hazards: Not Hazardous  
Hazards not otherwise classified or not covered by GHS: None

**Specific effects:**

Carcinogenic effects - None  
Mutagenic effects - None  
Reproductive toxicity - None  
Sensitization - None  
Target Organ Effects - No known effects under normal use conditions

**HMIS:**

Health / Flammability / Reactivity = 0 / 0 / 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No SDS is required.

This product is a mixture of components that may include, but is not limited to inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water.

### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.
<b>Skin Contact:</b>	May cause skin irritation. Immediately flush with plenty of water.
<b>Inhalation:</b>	No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
<b>Ingestion:</b>	No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable:</b> No	<b>Extinguishing Media:</b> Water spray, Foam, Dry chemical, or Carbon dioxide
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**Specific Fire Fighting procedures:**

Wear self-contained breathing apparatus and protective suit

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Use personal protection equipment
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material

### 7. HANDLING AND STORAGE

<b>Handling:</b>	No special handling procedures are required
<b>Storage:</b>	Keep in properly labelled containers and store frozen

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:**

Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment:**

Hand:	Protective gloves
Skin/Body:	Lightweight protective clothing
Respirator:	Not Applicable
Footwear:	Not Applicable
Eye:	Safety glasses with side-shields
Other:	General good laboratory practices and universal handling procedures recommended

**Environmental Exposure Control:**

No special environmental precautions required

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b> Liquid	<b>Appearance:</b> Clear, Pink	<b>Odor:</b> None
<b>Freezing Point (°C):</b> Approximately 0	<b>Boiling Point (°C):</b> Approximately 100	<b>pH:</b> Approximately 7.0-7.8
<b>Flash Point (°C):</b> Not Available	<b>Melting Point (°C):</b> Not Available	<b>Autoignition Temperature (°C):</b> Not Available
<b>Oxidizing Properties (°C):</b> Not Available	<b>Water Solubility:</b> Soluble	<b>Viscosity:</b> Not Available

#### 10. STABILITY AND REACTIVITY

<b>Chemically Stable:</b> Stable under normal conditions	<b>Materials to Avoid:</b> No dangerous reaction known under normal use conditions
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**Hazardous decomposition products:**

None under normal use conditions

**Hazardous polymerization:**

Hazardous polymerization does not occur

#### 11. TOXICOLOGICAL INFORMATION

**Potential Health Effects:**

Eye Contact:	May cause eye irritation	Carcinogenicity:	None
Skin Contact:	May cause skin irritation	Reproductive Toxicity:	None
Inhalation:	May be harmful if inhaled	Mutagenicity:	None
Ingestion:	May be harmful if swallowed	Sensitization:	None

#### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity effects:</b>	Not Available
<b>Mobility:</b>	Not Available
<b>Biodegradation:</b>	Inherently biodegradable
<b>Bioaccumulation:</b>	Does not bioaccumulate

#### 13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with existing practices at your institution in accordance with governing laws.

#### 14. TRANSPORT INFORMATION

DOT Hazard Class:	Non-hazard for transport
IATA Hazard Class:	Non-hazard for transport
IMDG Hazard Class:	Non-hazard for transport

#### 15. REGULATORY INFORMATION

**SARA 313:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

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

This product does not contain HAPs.

**WHMIS hazard class:**

Non-controlled

#### 16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Preferred Cell Systems™ will not be liable for any damages resulting from handling the above product. All materials and mixtures may present unknown hazards and should be used with caution.

**THIS PRODUCT IS FOR RESEARCH ONLY.  
IT IS NOT TO BE ADMINISTERED TO HUMANS.**