

**Section 1: Product identifier**

Product form : Mixture  
 Product name : IV-Cell Cytogenetics Culture Media  
 Synonyms : None  
 Product Catalog # : 8000-IVC

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

**Relevant identified uses**

Main use category: IV-Cell universal culture media is a Research-use only (RUO), ready-to-use, fully supplemented medium developed specifically to support bone marrow and peripheral blood cell culture for in vitro cytogenetic analysis of hematological disease. IV-Cell is a proprietary culture media that enables simultaneous culturing of all four (4) hematopoietic cell lineages to solve the problem of selective culturing.

**Uses advised against**

No additional information available

**Details of the supplier of the safety data sheet**

Precipio, Inc  
 4 Science Park  
 New Haven, CT 06511

**SECTION 2: Hazards identification**

**Classification of the substance or mixture**

Product form: Mixture  
 Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not classified

**Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]: None  
Hazard pictograms: None  
Signal word: None  
Hazard statements: Based on evaluation of currently available data this substance or mixture is not classifiable according to GHS.  
Precaution Phrases: None  
Storage and Disposal Phrases: See Section 7 for Storage and Section 13 for Disposal information

**SECTION 3: Composition/information on ingredients**

**Substance**

Not applicable

**Mixture**

<i>Ingredient</i>	<i>CAS #</i>	<i>EC-No.</i>	<i>Final Weight Percent in IV-Cell Media</i>
Penicillin G Sodium Salt <sup>a</sup> 69-57-8 ( 0.1-0.5 )	69-57-8	200-710-2	Trade Secret
Streptomycin Sulfate <sup>a</sup> 3810-74-0 ( 0.1 -1 )	3810-74-0	223-286-0	Trade Secret
RPMI Medium 1640	-	-	Trade Secret
Fetal Bovine Serum	-	-	Trade Secret
L-Glutamine	56-85-9	200-292-1	Trade Secret
Lipopolysaccharides, from Escherichia coli	93572-42-0	297-473-0	Trade Secret
Interleukin-2	-	-	Trade Secret

<sup>a</sup> Penicillin Streptomycin Solution, Thermo Fisher, Product Code 15070063.

#### SECTION 4: First aid measures

##### Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label and SDS where possible). If any concerns, consult a physician immediately
First-aid measures after inhalation	: Remove to fresh air, keep the patient warm and at rest. If symptoms develop obtain medical attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop obtain medical attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes lifting lids occasionally. If symptoms develop obtain medical attention.
First-aid measures after ingestion	: Call a physician. Do not induce vomiting unless directed to do so by medical personnel.

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

Symptoms	: Not expected to present a significant hazard under anticipated conditions of normal use.
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#### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

#### SECTION 5: Firefighting measures

##### Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: No data available.

#### Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Carbon, nitrogen, sodium and sulfur oxides
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#### Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: As in any fire, wear self-contained breathing apparatus and full protective gear.

#### SECTION 6: Accidental release measures

##### Personal precautions, protective equipment and emergency procedures

###### For non-emergency personnel:

Emergency procedures	: Evacuate unnecessary personnel.
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###### For emergency responders:

Protective equipment	: Wear suitable protective clothing and eye or face protection.
Emergency procedures	: Ensure adequate ventilation.

#### Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

#### Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Wash spill area with soapy water.
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#### Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

## SECTION 7: Handling and storage

Observe all federal, state and local regulations. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep tightly closed. Store in a cool dry place. Use prudent laboratory practices for handling and storage of chemicals.

### Precautions for safe handling

Precautions for safe handling : Always wear recommended Personal Protective Equipment. No special handling advice required. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin, eyes and clothing.

### Conditions for safe storage, including any incompatibilities

Storage conditions : Store in accordance with local regulations  
Incompatible products : See Section 10.  
Storage temperature : 2 to 8 °C

### Specific end use(s)

IV-Cell universal culture media is a Research-use only (RUO), ready-to-use, fully supplemented medium developed specifically to support bone marrow and peripheral blood cell culture for in vitro cytogenetic analysis of hematological disease.

## SECTION 8: Exposure controls/personal protection

Control Parameters:

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Penicillin G Sodium Salt	None	None	None	None
Streptomycin sulfate	None	None	None	None
Lipopolysaccharides	None	None	None	None

### Exposure controls

Appropriate engineering controls : Provide adequate ventilation especially in confined areas to ensure that occupational exposure limits are not exceeded. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Standard EN 374 - Protective gloves against chemicals.

Eye protection : Standard EN 166 - Personal eye-protection. Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard protection : Not required for normal conditions of use.

Environmental exposure controls : Avoid release to the environment.

Other information : Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety practice

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state : Liquid  
Color : Pinkish orange  
Odor : No data available  
Melting point : No data available  
Freezing point : No data available  
Boiling point : No data available

Flash point : No data available  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Solubility : No data available  
Oxidizing properties : No data available

#### Other information

No additional information available

#### SECTION 10: Stability and reactivity

##### Reactivity

Stable under normal conditions.

##### Chemical stability

Stable under normal conditions.

##### Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

##### Conditions to avoid

Avoid contact with heat, sparks, flames or other sources of ignition.

##### Incompatible materials

No incompatible materials known under conditions of normal use.

##### Hazardous decomposition products

None under normal use.

#### SECTION 11: Toxicological information

##### Information on toxicological effects

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Penicillin G Sodium Salt	= 6916 mg/kg (Rat) > 2 g/kg (Mouse)	No data available	No data available
Streptomycin sulfate	= 430 mg/kg (Rat)	No data available	No data available
Lipopolysaccharides, Escherichia coli	= 48.3 mg/kg (Rat)	No data available	No data available

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

Eyes : May cause eye irritation with susceptible persons.  
Skin : May cause skin irritation and or rash in susceptible persons.  
Respiratory /inhalation : None  
Ingestion : May be harmful if swallowed  
Carcinogenicity : None  
Mutagenic Effects : None  
Reproductive toxicity : None  
Specific target organ toxicity (single exposure) : No known effects under normal use conditions.  
Specific target organ toxicity (repeated exposure) : No known effects under normal use conditions.

#### SECTION 12: Ecological information

##### Toxicity

#### Ecotoxicity

No information available

#### Persistence and degradability

No information available

#### Bioaccumulative potential

No information available

#### Mobility in soil

No information available

### SECTION 13: Disposal considerations

#### Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations..

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### UN number

No dangerous good in sense of transport regulations

#### UN proper shipping name

Proper Shipping Name (ADR/RID) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

#### Transport hazard class(es)

Not applicable

#### Packing group

Not applicable

#### Environmental hazards

Other information : No supplementary information available.

#### Special precautions for user

##### Overland transport

No additional information available

##### Transport by sea

No additional information available

##### Air transport

No additional information available

### SECTION 15: Regulatory information

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

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

**ARA 311-312 Hazards**

No SARA Hazards

**SARA 313 Components:** None of the ingredients is listed.

**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 contains the following Proposition 65 chemicals:

<i>Chemical Name</i>	<i>CAS #</i>	<i>Final Weight %</i>	<i>Category</i>
Streptomycin sulfate	3810-74-0	Trade Secret	Developmental

**Pennsylvania Right To Know Components**

<i>Chemical Name</i>	<i>CAS #</i>
Penicillin G Sodium Salt <sup>a</sup> 69-57-8 ( 0.1-0.5 )	69-57-8
Streptomycin Sulfate <sup>a</sup> 3810-74-0 ( 0.1 -1 )	3810-74-0
Lipopolysaccharides from Escherichia coli	93572-42-0

**New Jersey Right To Know Components**

<i>Chemical Name</i>	<i>CAS #</i>
Penicillin G Sodium Salt <sup>a</sup> 69-57-8 ( 0.1-0.5 )	69-57-8
Streptomycin Sulfate <sup>a</sup> 3810-74-0 ( 0.1 -1 )	3810-74-0
Lipopolysaccharides from Escherichia coli	93572-42-0

**WHMIS Hazard Class:**

Non-controlled

**SECTION 16: Other information**

Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Abbreviations and acronyms	: ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). CAS (Chemical Abstracts Service) number. IARC (International Agency for Research on Cancer). IATA (International Air Transport Association). IMDG (International Maritime Dangerous Goods Code). RID (Règlement concernant le transport international ferroviaire de marchandises).
Other information	: None.



IV-Cell Cytogenetics Culture Media  
Safety Data Sheet  
Document ID: SDS-8000-IVC Rev 2  
Revision Date: 19 Dec 2023

*The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.*