CELPROGEN
STEM CELL RESEARCH & THERAPEUTICS

SAFETY DATA SHEET

SECTION 1 - SUBSTANCE IDENTITY AND COMPANY INFORMATION

Product Name: Human Cardiomyocyte IPC Derived Embryoid Body (EB) Extracellular Dedifferentiation (Non-Viral) Matrix

CELPROGEN Catalog #: As indicated in the table with the various configurations:

Catalog	Description
dD836044-01-T25	Human Cardiomyocyte; IPC Derived Embryoid Body (EB) Dedifferentiation Extracellular Matrix - T25 Flask (10/Pk)
dD836044-01-T75	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation Extracellular Matrix - T75 Flask (5/Pk)
dD836044-01-T150	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation Extracellular Matrix - T150 Flasks (5/pk)
dD836044-01-T225	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation Extracellular Matrix - T225 Flasks (5/pk)
dD836044-01-4Well	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 4 Well Plates (5/Pk)
dD836044-01-4MCS	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 4 Well Microscope Chamber Slides
dD836044-01-MS4	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM 4 Well Microscope Slide
dD836044-01-6Well	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 6 Well Plates (5/Pk)
dD836044-01-8MCS	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 8 Well Microscope Chamber Slides
dD836044-01-MS8	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM 8 well Microscope Slide
dD836044-01-MS10	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM 10 Well Microscope Slides
dD836044-01-12Well	Human CARDIOMYOCYTE IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 12 Well Plates (5/Pk)
dD836044-01-MS18	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 18 Well Microscope Slides
dD836044-01-24Well	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 24 Well Plates (5/Pk)
dD836044-01-48Well	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 48 Well Plates (5/Pk)
dD836044-01-96Well	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 96 Well Plates (5/Pk)
dD836044-01-96WW	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 96 White Well Plates (5/pk)
dD836044-01-96BW	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 96 Black Well Plates (5/pk)
dD836044-01-384WW	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 384 White Well Plates (5/pk)

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Torrance, CA 90503 USA
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Phone: 310 542 8822
Fax: 310 542 8028

dD836044-01-384BW	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 384 Black Well Plates (5/pk)
dD836044-01-CS12	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 12mm coverslips (10/pk)
dD836044-01-CS15	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 15mm coverslips (10/pk)
dD836044-01-CS18	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 18mm coverslips (10/pk)
dD836044-01-CS22	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 22mm coverslips (10/pk)
dD836044-01-CS25	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 25mm coverslips (10/pk)
dD836044-01-PD6	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 6cm Petri Dish (5/pk)
dD836044-01-PD10	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM - 10cm Petri Dish (5/pk)
dD836044-01-6W-GB	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM 6 Well Glass Bottom Plates (5/pk)
dD836044-01-96W-GB	Human Cardiomyocyte IPC Derived Embryoid Body (EB) Dedifferentiation ECM 96 Well Glass Bottom Plates (5/pk)
dD836044-01-3D-6Well	Human Cardiomyocyte IPC Derived EB 3D Cell Culture System Dedifferentiation ECM 6 Well (1/pk)
dD836044-01-3D-12Well	Human Cardiomyocyte IPC Derived EB 3D Cell Culture System Dedifferentiation ECM 12 Well (1/pk)
dD836044-01-3D-24Well	Human Cardiomyocyte IPC Derived EB 3D Cell Culture System Dedifferentiation ECM 24 Well (1/pk)

COMPANY INFORMATION: CELPROGEN INC.
3914 DEL AMO BLVD.
SUITE 901
FOR INFORMATION CALL: 310-542-8822
AFTER-HOURS CONTACT: 310-866-6436

CHEMTREC EMERGENCY: 310-542-8822

SECTION 2 - HAZARDS IDENTIFICATION

GHS Symbol: NA
Signal Word: NA

HMIS Rating: Health: 0 Flammability: 0 Reactivity: 0

NFPA Rating: Health: 0 Flammability: 0 Reactivity: 0

Route of Exposure
Eye Contact: Data not available. **Skin Contact:** Data not available. **Skin Absorption:** Data not available.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes anD upper respiratory tract.
Ingestion: May be harmful if swallowed..
Chronic: No Information Found

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Cell Culture Extracellular Matrix (ECM).

CAS#: N/A

This substance contains no ingreDients at concentrations to be considered hazardous as Defined by OSHA 29CFR 1910.1200 however this Product should be Handled according to Good lab practices, with proper personal protective equipment, proper engineering controls and within the parameters of the purchaser's chemical hygiene plan.
Extracellular Matrix 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.

This substance contains no Ingredients at concentrations to be considered hazardous as defined by OSHA 29CFR 1910.1200 however this Product Should be handled according to good lab practices, with proper personal protective equipment, proper engineering controls anD within the parameters of the purchaser's chemical hygiene plan.

SECTION 4 - FIRST AID MEASURES

Report to your Safety Office and Seek Medical Attention as Soon as Possible

Ingestion: If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. If the person is conscious wash mouth out with copious amounts of water and call a physician. Do not Induce vomiting unless Directed to Do so by a physician.

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

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

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

Notes to Physician: Treat symptomatically anD supportively.

SECTION 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: Water spray, carbon Dioxide, Dry chemical powder, Halon (where regulations permit), or appropriate foam.

Autoignition Temperature: N/A

Explosion limits: N/A

Flash Point: Not Available

SECTION 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 Standards EN 149 must be followed whenever workplace conditions warrant respirator use.

Methods for Cleaning Up

Patient/Victim: Wash with soap anD water. Work clothes Should be laundered separately. Launder contaminated clothing before re-use. Do not take clothing home.
Equipment/Environment: Allow aerosols to settle; wearing protective clothing, gently cover spill with paper towel

and apply 1% sodium hypochlorite, starting at perimeter and working towards the center; allow sufficient contact time before cleanup (30 min).

Note: The use of Additional PPE may be necessary for cleaning solutions.

SECTION 7 - HANDLING AND STORAGE

Handle and store according to instructions on product information sheet and label.

Special Requirements:

Follow established laboratory procedures when handling material.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: The use anD storage of this material requires user to maintain and make available appropriate eyewash and safety shower facilities. Use fume hood or other appropriate ventilation method to keep airborne concentrations a low as possible.

Personal Protective Equipment: Including Safety Glasses or 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.

Exposure Limits: No exposure limits for this material have been established by ACGIH, NIOSH, or OSHA. There is no Vacated OSHA PEL for this material.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Extracellular 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.
No Information is available for PH, Vapor Pressure, Vapor Density, Evaporation Rate, Viscosity, Boiling Point,

Freezing/Melting Point, Decomposition Temperature, Solubility, Specific Gravity/Density, or Molecular Weight.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: No information available.

Hazardous Decomposition Products: No information available.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No Information was Found in relation to: RTECS, LD50/LC50, Carcinogenicity, Epidemiology, Teratogenicity, Reproductive effects, Mutagenicity, or Neurotoxicology.

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Note: The toxicological properties of this substance have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous waste generators are required to Determine if a Discarded chemical is classified as a hazardous waste according to 40 CFR Part 261.3. In addition waste generators must consult about and comply with all state and local regulations to ensure compliance.

SECTION 14 - TRANSPORT INFORMATION

Land Transport (ADR/RID): Not a Dangerous good in sense of this transport regulation.
Inland water ways transport (ADN): Not a Dangerous good in sense of this transport regulation.

Sea Transport (IMDG): Not a Dangerous good in sense of this transport regulation.

Air Transport (ICAQ-TP / IATA-DGR): Not a Dangerous good in sense of this transport regulation
DOT Classification: Not a DOT controlled material (United States)

SECTION 15 - REGULATORY INFORMATION

This substance is not listed on the TSCA Inventory. It is for research and Development use only.

This substance is not SARA listed.

US Federal Regulations: SARA 313: This Product is not regulated by SARA CAA, Section 112, and Hazardous Air Pollutants (HAPs) (40 CFR 61): This Product Does not contain HAPs.

US State Regulations: California Proposition 65: This product Does not contain chemicals listed under Proposition 65.

SECTION 16 - OTHER INFORMATION

THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE CORRECT BASED UPON DATA AVAILABLE TO CELPROGEN. USERS SHOULD MAKE AN INDEPENDENT DECISION REGARDING THE ACCURACY OF THIS INFORMATION BASED ON THEIR NEEDS AND DATA AVAILABLE TO THEM. ALL SUBSTANCES AND MIXTURES MAY PRESENT UNKNOWN HAZARDS AND ALL NECESSARY SAFETY PRECAUTIONS SHOULD BE TAKEN. CELPROGEN ASSUMES NO LIABILITY RESULTING FROM USING OR COMING IN CONTACT WITH THIS SUBSTANCE.