



SAFETY DATA SHEET

Section 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance/ preparation:

Product name: Cell Media

Product Codes:

Prenatal Media P.S. # 102658

Transport Media P.S. # 101780

Aspiration Media P.S. # 103205

Condimed Media P.S. # 105703

Bone Marrow P.S. # 98930

Company/Undertaking Identification

Integrated Genetics - 2000 Vivigen Way, Santa Fe, NM. 87505 1-800-848-4436

24 hour Emergency Response: 3E Company: (844) 225-0663

Cell Media to be used to grow, transport, and aspirate prenatal and post natal tissue.

Section 2: Hazard(s) Identification

Classification

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Reproductive toxicity	Category 2

Label elements

Emergency Overview

Signal Word: Danger		
Hazard statements		
H317 - May cause an allergic skin reaction		
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled		
H361 - Suspected of damaging fertility or the unborn child		
Appearance Clear	Physical state liquid	Odor No information available
		

Penicillin-Streptomycin-L-Glutamine, 100x - 1% of Total MEM Media Mixture

Precautionary statements

- P201 - Obtain special instructions before use
- P202 - Do not handle until all safety precautions have been read and understood
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P280 - Wear protective gloves
- P285 - In case of inadequate ventilation wear respiratory protection
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
- P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
- P308 + P313 - IF exposed or concerned: Get medical advice/attention
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
- P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
- P363 - Wash contaminated clothing before reuse
- P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) - None known.

Section 3: Composition/Information on Ingredients

Chemical Name	CAS #	Weight %	Trade Secret
Streptomycin Sulfate	3810-74-0	0.1-1	NA
Penicillin G potassium salt	113-98-4	0.1-1	NA
Tissue Culture Media	NA	NA	NA
Media Supplement	NA	NA	NA
Fetal Bovine Serum	NA	NA	NA
Heparin, sodium salt (Aspiration Media only)	9041-08-1	NA	NA

Section 4: First Aid Measures

First aid measures:

Inhalation Remove to fresh air. If not breathing, give artificial respiration. Call a physician.

Skin Contact Wash off immediately with soap and plenty of water. Remove contaminated clothing and shoes. Call a physician.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Ingestion If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person. Call a physician.

Most important symptoms and effects, both acute and delayed

Symptoms May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: Fire Fighting Measures

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media No information available.

Hazardous combustion products

Carbon oxides, Nitrogen oxides (NO_x), Oxides of sulfur.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Avoid breathing dust/fume/gas/mist/vapors/spray.

Environmental precautions

Collect spillage. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Prevent product from entering drains.

Section 7: Handling and Storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible materials None known based on information supplied.

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand Protection Wear protective nitrile rubber gloves.

Skin and body protection Suitable protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly after handling.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state	liquid	Odor	No information available
Appearance	clear	Odor threshold	No information available
Color	colorless		
Property	Values	Remarks • Method	
pH	6.0 +/- 0.5	20-25 °C	
Melting point/freezing point	No information available		
Boiling point / boiling range	No information available		
Flash point	No information available		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Specific Gravity	No information available		
Water solubility	Soluble in water		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Auto ignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Oxidizing properties	No information available		
Explosive properties	No information available		

Section 10: Stability and Reactivity

Reactivity

<u>Chemical stability</u>	Stable under normal conditions.
<u>Possibility of Hazardous Reactions</u>	None under normal processing.
<u>Conditions to avoid</u>	None known.
<u>Incompatible materials</u>	Strong oxidizing agents.
<u>Hazardous Decomposition Products</u>	None under normal use conditions

Thermal decomposition can lead to release of irritating and toxic gases and vapors Carbon oxides, Nitrogen oxides (NO_x), Oxides of sulfur.

Section 11: Toxicological Information

Acute toxicity

Product Information No acute toxicity information is available for this product

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Streptomycin Sulfate	430mg/kg (rat)	NA	NA
Penicillin G potassium salt	6700mg/kg (rat)	NA	NA
Heparin, sodium salt (Aspiration media only)	779000 unit/kg (Rat)	NA	NA

Information on toxicological effects

Symptoms May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	May cause sensitization by inhalation and skin contact.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available
Reproductive toxicity	May cause harm to breastfed babies.
Developmental Toxicity	Possible risk of harm to the unborn child.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Target Organs	Ears, kidneys.
Potential health effects Inhalation	May be harmful if inhaled. May cause irritation of respiratory tract. May cause allergic respiratory reaction.
Ingestion	May be harmful if swallowed.
Skin	May be harmful in contact with skin. May cause irritation.
Eyes	May cause eye irritation.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

Section 13: Disposal Considerations (non-mandatory)

Dispose of in accordance with local regulations.

Section 14: Transport Information (non-mandatory)

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations

Hazard class None

Subsidiary Class None

Packing group None

UN-No None

Section 15: Regulatory Information (non-mandatory)

Component	TSCA
STREPTOMYCIN SULFATE 3810-74-0 (0.5-1.5)	Listed

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 contains HAPs.

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

<u>Chemical Name</u>	<u>CAS-No</u>	<u>Weight %</u>	<u>Category</u>	<u>Type</u>
STREPTOMYCIN SULFATE	3810-74-0	0.5-1.5	Developmental	

WHMIS hazard class:

D2B Toxic materials

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

Section 16: Other Information

Version 1 SDS created on May 8, 2015

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

The statements herein are intended to be followed by persons having related technical skills.