



Material Safety Data Sheet

Date Updated: 01/2015

Version: 9

MSDS # 2

Section 1- Product and Company Information

Product Name	LIQUID CELL CULTURE MEDIA: Adipocyte Medium, -phenol red free, -phenol red free, without serum; Preadipocyte Medium, -phenol red free, -phenol red free, without serum; Adipocyte Differentiation Medium, -phenol red free, -phenol red free, without serum; without PPAR gamma agonist, Basal Medium, -phenol red free; Omental Adipocyte Medium, Omental Preadipocyte Medium, -phenol red free, -phenol red free, without serum; Omental Adipocyte Differentiation Medium, -phenol red free, -phenol red free, without serum; Omental Basal Medium, 3T3-L1 Adipocyte Maintenance Medium, -phenol red free, -phenol red free, without serum; 3T3-L1 Preadipocyte Medium, -phenol red free, -phenol red free, without serum; 3T3-L1 Adipocyte Differentiation Medium, -phenol red free, -phenol red free, without serum; without PPAR gamma agonist; 3T3-L1 Basal Medium, Tissue Shipping Medium, SKM Shipping Medium, Dulbecco's Modified Eagle's Medium: Ham's F12 Formulation 1:1 (DMEM/F12), -phenol red free; Dulbecco's Modified Eagle's Medium, high glucose, Ham's F12 Formulation, RPMI-1640, Medium 199, William's E Medium, WITHOUT Phenol Red, WITHOUT L-Glutamine, Osteoblast Medium, Chondrocyte Medium, Dermal Fibroblast Growth Medium, Dermal Fibroblast Basal Medium, Tenocyte Growth Medium, Mesothelial Cell Growth Medium, Mesothelial Cell Basal Medium, Mesothelial Cell Cryopreservation Medium, Cryopreservation Medium (suitable for Omental or Subcutaneous Preadipocytes and Adipose Derived Adult Stem Cells), 3T3-L1 Cryopreservation Medium, Skeletal Muscle Cell Growth Medium, Skeletal Muscle Cell Differentiation Medium, Skeletal Myoblast Cryopreservation Medium, Lymphocyte Medium
Product Number	AM-1 AM-1-PRF, AM-1-PRF-SF; PM-1, PM-1-PRF, PM-1-PRF-SF; DM-2, DM-2-PRF, DM-2-PRF-SF, DM-2 PPG, BM-1, BM-1-PRF. OM-AM, OM-PM, OM-PM-PRF, OM-PM-PRF-SF, OM-DM, OM-DM-PRF, OM-BM, AM-1-L1, PM-1-L1, DM-2-L1, DM-2-L1-PRF, DM-2-L1-PPG, BM-1-L1, DMEMF12, DMEMF12-PRF, DMEMHI, HF12, RP1640, M199, WME-PRF, OB-1, CM-1 (including CM-1-100), DF-1, DF-2, TEN-1, MSO-1, MSB-1; MSM-100, FM-1-100; FM-1-L1, SKM-M, SKM-D, SKM-100, LYMPH-1, LYMPH-50
Company	Zen-Bio, Inc
Street Address	3200 East NC Highway 54, Suite 100
City, State, Zip, Country	Research Triangle Park, NC 27709 US
Technical Phone	(919) 547-0692
Emergency Phone	Toll free (866) 234-7673 or (919) 547-0692
FAX	(919) 547-0693

Section 2- Composition/Information on Ingredients

Zen-Bio liquid medium is a mixture of components that may include, but are not limited to: inorganic salts, vitamins, amino acids, carbohydrates, antibiotics and other nutrients. Some media may contain 0-10% fetal bovine, donor horse serum or bovine calf serum. Fetal bovine serum, donor equine serum, and bovine calf serum are considered non-hazardous per 21 CFR 1910.1200. Since workers differ in sensitivity to animal derived

materials, Zen-Bio recommends that Good Laboratory Practices be exercised when using these products, including the use of gloves, eye protection, and a lab coat.

Section 3 Hazards Identification

Not applicable.

Section 4 First Aid Measures

If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 5 Fire Fighting Measures

Not applicable.

Section 6 Accidental Release Measures

Use of these products in accordance with Good Laboratory Practices should not result in explosive mixtures being formed.

Section 7 Handling and Storage

Store at 2-8°C. Some media may be stored at -20°C for 6 months from the shipping date. Please see expiration date listed on product label.

Section 8 Exposure Controls/Personal Protective Equipment

Respiratory protection, ventilation, protective gloves are not required under normal product usage.

Section 9 Physical and Chemical Properties

Physical state is clear liquid. The color may be clear, or shades of yellow or red.

Store at 2-8°C.

Section 10 Stability and Reactivity

Use of these products in accordance with Good Laboratory Practices should not result in explosive mixtures being formed. Stable hazardous polymerization should not occur.

Section 11 Toxicological Information

Not applicable.

Section 12 Ecological Information

Not applicable.

Section 13 Disposal Considerations

In case of spill, mop up and dispose of in the sink. Dispose of with normal lab trash.

Section 14 Transport Information

This substance is considered to be non-hazardous for ground or air transport.

Section 15 Regulatory Information

Not applicable.

Section 16 Other Information

Disclaimer:

For research use only. Not for clinical, drug, household or other uses.

Warranty:

The above information is believed to be correct to the best of our knowledge, but does not purport to be all-inclusive and shall be used only as a guide. Zen-Bio shall have no liability for any direct, indirect, consequential or incidental damages arising out of the use, the results of use, the inability to use, the handling or contact with these products.