

# **Lifeblood Medical, Inc.**

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## **LiforCell® ACF Preservation Medium**

### **Material Safety Data Sheet:**

### **LiforCell® ACF PRESERVATION MEDIUM**

**PRODUCT NO.: #AEDTNC-100 (100ml)**

**#AEDTNC-500 (500ml)**

**#AEDTNC-1000 (1000ml)**

#### **IMPORTANT INFORMATION PLEASE READ CAREFULLY**

#### **DESCRIPTION:**

AEDTNC-100-500-1000 is a mixture of components that includes: inorganic salts, vitamins, amino acids, carbohydrates, fatty acids, dextrans and antioxidants. This medium is used for the experimental *in-vitro* preservation and transportation of various tissues.

#### **SECTION I**

**HAZARDOUS INGREDIENTS:** Not Applicable

#### **SECTION II**

**PHYSICAL DATA:** Liquid State: Yellowish clear liquid

#### **SECTION III**

**HEALTH HAZARDS:** This product contains no hazardous materials as defined by OSHA Hazards Communication Standard; however, in the event of a spill or accident involving this material, good personal hygiene should be practiced.

#### **SECTION IV**

**FIRE AND EXPLOSION:** Not Applicable

#### **SECTION V**

**REACTIVITY DATA:** Stable  
Hazardous polymerization will not occur.

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**LiforCell® ACF Preservation Medium (MSDS CONTINUED)**

**SECTION VI**

**METHOD OF DISPOSAL:**

Spill or Leak Procedure:

Spill: Mop up and dispose of in sink followed by copious amounts of water.

Waste Disposal: Dispose of in laboratory sink with copious amounts of water. Follow all Federal, State and local regulations.

**SECTION VII**

**SPECIAL PROTECTION INFORMATION:**

**RESPIRATORY PROTECTION:** Not required under normal product usage.

**VENTILATION:** Not required under normal product usage.

**PROTECTIVE GLOVES:** Not required under normal product usage.

**OTHER PROTECTIVE EQUIPMENT:** Not required under normal product usage.

**SECTION VIII**

**SPECIAL PRECAUTIONS / COMMENTS:** Store at 2-8 degrees C and protect from light.

**USE OF PRODUCT IN ACCORDANCE WITH GOOD LABORATORY PRACTICES SHOULD NOT RESULT IN EXPLOSIVE MIXTURES BEING FORMED.**

**THE ABOVE INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE. ALL MATERIALS AND MIXTURES MAY PRESENT UNKNOWN HAZARDS AND SHOULD BE USED WITH CAUTION AS IF THEY WERE HAZARDOUS. THE USER SHOULD MAKE INDEPENDENT DECISIONS REGARDING COMPLETENESS OF THE INFORMATION BASED ON ALL SOURCES AVAILABLE. LIFE BLOOD MEDICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.**

**Lifeblood Medical, Inc.**

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## USAGE:

**LiforCell® ACF Preservation Medium** shipments of tissue should be used in the ratio of one (1) gram of tissue to ten (10) mls of **LiforCell® ACF Preservation Medium**.

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## Technical Support/Ordering

If you have any questions please contact:

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## LiforCell® ACF Preservation Medium

### Specifications:

**Quality Assurance:** **LiforCell® ACF Preservation Medium** undergoes quality assurance testing to ensure that each solution is consistent from lot to lot.

**Safety:** **LiforCell® ACF Preservation Medium** is a new proprietary solution in which properties such as chemical, physical, and toxicological testing have not been fully completed. See the attached MSDS for more information.

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# **Lifeblood Medical, Inc.**

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## **LiforCell®**

### **ACF Preservation Medium**

Catalogue #AEDTNC-100 (100ml)

Catalogue #AEDTNC-500 (500ml)

Catalogue #AEDTNC-1000 (1000ml)

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### **Product Description:**

**LiforCell® ACF Preservation Medium** is for **Further Manufacturing Use.**

**LiforCell® ACF Preservation Medium** is a tissue transport and preservation solution originally developed as an organ preservation solution by Lifeblood Medical, Inc. This same solution was tested as a room and refrigerated (4°C) temperature preservation medium. This testing proved that storage and shipping of tissue at room and refrigerated (4°C) temperatures are possible.

**LiforCell® ACF Preservation Medium** contains inorganic salts, amino acids, vitamins, adenosine, Cholesterol, Glucose, yeast extract, and very few proteins.

**LiforCell® ACF Preservation Medium** is oxygen enriched due to a unique procedure and is therefore especially utilizable for transportation of tissue at room and refrigerated (4°C) temperatures.

**LiforCell® ACF Preservation Medium** is **serum and animal protein free.**

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### **Storage and Stability:**

Store **LiforCell® ACF Preservation Medium** at 4° to 8° C (refrigeration) away from light. At this storage temperature the product will be stable for 24 months.

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### **Applications:**

Until now the problem with shipping and storage of fresh and vital tissue was, that it had to be snap frozen in liquid nitrogen and had to be shipped on dry ice or in formalin. Today it is known that a lot of molecular biological information in the tissue is lost by this kind of treatment. Using

**LiforCell®** it is possible for the first time to store and ship tissue samples for seventy two (72) hours at room temperature without losing viability of the tissue.

**LiforCell® ACF Preservation Medium** can also maintain tissue samples at refrigerated temperatures, 4°C for up to 168 hours (7 days).

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