



Cell Preservation Solutions, LLC.
Preservation Through Innovation™

Aedesta™

Cryopreservation Medium

Catalogue #AEDCRY-025 (25ml)

Catalogue #AEDCRY-050 (50ml)

Catalogue #AEDCRY-100 (100ml)

Product Description:

Aedesta™ Cryopreservation Medium is for **RESEARCH USE ONLY.**

Aedesta™ Cryopreservation Medium contains inorganic salts, amino acids, vitamins, adenosine, Cholesterol, Glucose, yeast extract, and very few proteins.

Aedesta™ Cryopreservation Medium is serum and animal protein free.

Storage and Stability:

Store **Aedesta™ Cryopreservation Medium** at 2° to 8° C (refrigeration) away from light. At this storage temperature the product will be stable for 12 months.

Applications:

Aedesta™ Cryopreservation Medium is used as a cryopreservation solution without addition of cryoprotective agents (e.g. DMSO, HES). Using controlled freezing of tissue or cells down to -196°C in **Aedesta™ Cryopreservation Medium**, without cryoprotective additives, tissue or cells are maintained in a vital state. Crystallization of liquid in the tissue or cells is minimized in **Aedesta™ Cryopreservation Medium** during thawing (which is critical for cell viability). Therefore tissue and cells in the tissue will remain vital after thawing in **Aedesta™ Cryopreservation Medium**. Recommended cryopreservation procedure listed under usage.

USAGE:

Aedesta™ Cryopreservation Medium for tissue should be used in the ratio of one (1) gram of tissue to ten (10) mls of medium. **Aedesta™ Cryopreservation Medium** for cells is used according to the desired viable cell density. Take the appropriate number of cells and volume of medium to obtain the desired cell density. Many scientists work in the 2×10^5 to 5×10^7 cells per ml. **Aedesta™** is used alone without addition of DMSO or FBS for most cells.

USAGE: (Continued)

Aedesta™ is used alone without addition of DMSO or FBS for most cells (see alternative protocols for FBS dependent cells).

Alternative Protocols for FBS dependent cells:

Aedesta™ Cryopreservation Medium may be used either as a mixture of 90% Aedesta™ and 10% FBS or a mixture of 50% Aedesta™ and 50% spent media. This would be in place of 100% Aedesta™ which is the normal usage. In all cases, follow the stepwise procedure listed below.

Aedesta™ Cryopreservation Medium Cryopreservation Procedure:

1. Hold the tissue at 4°C for 15 Min.
2. Stepwise decrease in temperature
 - 2.1. -9°C/min to -5°
 - 2.2. -0.5°C/min to -7°
 - 2.3. -8.4°C/min to -18°
 - 2.4. -2°C/min to -40°
 - 2.5. -30°C/min to -60°
 - 2.6. -4°C/min to -80°
 - 2.7. -10°C/min to -120°
 - 2.8. Thereafter in liquid nitrogen -170° to -196°C

Technical Support/Ordering

If you have any questions please contact:

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Aedesta™ Cryopreservation Medium Specifications:

Quality Assurance: **Aedesta™ Cryopreservation Medium** undergoes quality assurance testing to ensure that each solution is consistent from lot to lot.

Safety: **Aedesta™ Cryopreservation 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.

Aedesta™ Cryopreservation Medium

Material Safety Data Sheet:

CRYOPRESERVATION MEDIUM

PRODUCT NO.: AEDCRY-025 (25ml)

AEDCRY-050 (50ml)

AEDCRY-100 (100ml)

IMPORTANT INFORMATION PLEASE READ CAREFULLY

DESCRIPTION:

AEDCRY-025-050-100 is a mixture of components that includes: inorganic salts, vitamins, amino acids, carbohydrates, fatty acids, dextrans and antioxidants. This medium is used for the cryopreservation of cells and tissue without the use of cryoprotective agents (e.g. DMSO, HES).

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.

Aedesta™ Cryopreservation Medium

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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. CELL PRESERVATION SOLUTIONS, LLC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.