



# SAFETY DATA SHEET

## Jacket Lung Cell Model

### 1. IDENTIFICATION

- 1.1. Product Name Jacket Lung Cell Model
- 1.2. Catalog Number CB030-000001
- 1.3. Uses and restrictions For research use only. Not for use in diagnostic or therapeutic applications
- 1.4. Manufacturer/Supplier Cellaria Biosciences, LLC  
☎ 617.981.4208  
✉ support@cellariabio.com
- 1.5. In Case of Emergency
- For medical emergencies, contact your local emergency center.
  - For transportation emergencies, contact your local transportation authorities.
  - For other non-medical or non-environmental emergencies please call 617.981.4208, 8:00 am-4:00 pm EST, Monday – Friday.

### 2. HAZARDS IDENTIFICATION

- 2.1. Classification Not a hazardous substance or mixture.
- 2.2. Signal Word Not a hazardous substance or mixture.
- 2.3. Symbol Not a hazardous substance or mixture.
- 2.4. Hazard Statement(s) None.
- 2.5. Precautionary Statement(s) None.
- 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS
- Handle as a potentially biohazardous material under at least **Biosafety Level 1** containment. This cell line is not known to cause disease in healthy adult humans. These cells have **NOT** been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents, unless otherwise reported on the Certificate of Analysis. Regardless of results reported on the Certificate of Analysis Universal Precautions according to 29 CFR 1910. 1030 Should be followed at all times when manipulating these cell lines.
- Handle as a potentially biohazardous material under at least **Biosafety Level 2** Containment. These cell lines are associated with human disease, hazards include: percutaneous injury, ingestion, mucous membrane exposure (U.S. Government Publication **Biosafety in Microbiological and Biomedical Laboratories**). These cells have **NOT** been screened for Hepatitis B, human immunodeficiency viruses or other adventitious agents, unless otherwise reported on the Certificate of Analysis. Regardless of results reported on the Certificate of Analysis Universal Precautions according to 29 CFR 1910.1030 should be followed at all times when manipulating these cell lines.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

3.1. Chemical Name	Jacket Cell Model Human Cell Cultures at Biosafety Level 1 or 2. Frozen cells shipped in liquid cell culture medium (a mixture of components that may include, but is not limited to: inorganic salts, vitamins, amino acids, carbohydrates and other nutrients dissolved in water). Frozen cultures may also contain 10% solution of Dimethyl sulfoxide as a cryoprotectant.
	 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.
3.2. Synonyms	Not applicable.
3.3. Chemical Formula	Not applicable.
3.4. Molecular Weight	Not applicable.
3.5. CAS Number	Not applicable.

**4. FIRST AID MEASURES**

4.1. First Aid Instructions	
<ul style="list-style-type: none"> <li>• General Advice</li> <li>• Eyes</li> <li>• Skin</li> <li>• Ingestion</li> <li>• Inhalation</li> <li>• Puncture Wounds</li> </ul>	<p>Move out of exposure area. Consult a physician.</p> <p>Check for and remove contact lenses immediately and flush thoroughly with water for at least 15 minutes. Call a physician.</p> <p>Immediately flush skin with copious amounts of water. Remove contaminated clothing and shoes and wash before use. Wash off with soap.</p> <p>If swallowed, wash mouth out with water provided person is conscious. Do not induce vomiting. Loosen tight clothing. Contact a physician.</p> <p>If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.</p> <p>Wash thoroughly with soap and water. Allow wound to bleed freely. Contact a physician.</p>
4.2. Most Important Symptoms/effects, acute and immediate	Described in section 2.
4.3. Indications of immediate medical attention and special treatment needed	No data available.

**5. FIRE FIGHTING MEASURES**

- |   |  |
|---|--|
| 5.1. Suitable extinguishing media.                                  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                     |
| 5.2. Specific hazards arising from the chemical                     | No data available.   |
| 5.3. Special protective equipment and precautions for fire-fighters | Wear self contained breathing apparatus and full turnout gear for firefighting if necessary. |

**6. ACCIDENTAL RELEASE MEASURES**

- |   |  |
|---|--|
| 6.1. Personal precautions, protective equipment, and emergency procedures | Use personal protective equipment (see section 8). Avoid direct contact with skin or eyes and prevent inhalation. Ensure adequate ventilation.                 |
| 6.2. Environmental Precautions  | No data available.   |
| 6.3. Methods and materials for containment and clean up                   | Keep in suitable, closed containers for disposal. Dispose of absorbent material used to clean spills in accordance with local, state, and federal regulations. |

**7. HANDLING AND STORAGE**

- |   |  |
|---|--|
| 7.1. Precautions for safe handling                                | <ul style="list-style-type: none"> <li>• Avoid inhalation, contact with eyes, skin, and clothing.</li> <li>• Keep in well ventilated area</li> <li>• For other precautions see section 2.5.</li> </ul> |
| 7.2. Conditions for safe storage, including any incompatibilities | Store cell model at -80°C.   |

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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|--|--|
| 8.1. Control Parameters  | No known occupational exposure limits values.  |
| 8.2. Appropriate engineering controls                                      | Safety shower and eye bath. Mechanical exhaust required. Appropriate ventilation required to keep airborne concentrations as low as possible.  |
| 8.3. Protection measures and Personal Protective Equipment                 | Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.  |
| <ul style="list-style-type: none"> <li>• Respiratory Protection</li> </ul> | Use respirators and components tested and approved under appropriate government standards. 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. |
| <ul style="list-style-type: none"> <li>• Eye Protection</li> </ul>         | Chemical safety goggles.   |
| <ul style="list-style-type: none"> <li>• Skin Protection</li> </ul>        | Protective gloves and lab coat.  |

**9. PHYSICAL/CHEMICAL PROPERTIES**

- |                     |                             |
|---------------------|-----------------------------|
| 9.1. Appearance     | Liquid and frozen solution. |
| 9.2. Odor           | No data available.          |
| 9.3. Odor Threshold | No data available.          |
| 9.4. pH             | No data available.          |

9.5. Melting point/freezing point	No data available.
9.6. Initial boiling point and boiling range	No data available.
9.7. Flash point	No data available.
9.8. Evaporation rate	No data available.
9.9. Flammability (solid, gas);	No data available.
9.10. Upper/lower flammability or explosive limits	No data available.
9.11. Vapor pressure	No data available.
9.12. Vapor density	No data available.
9.13. Relative density	No data available.
9.14. Solubility(ies)	No data available.
9.15. Partition coefficient: n-octanol/water	No data available.
9.16. Auto-ignition temperature	No data available.
9.17. Decomposition temperature	No data available.
9.18. Viscosity	No data available.
9.19. Explosive properties	No data available.
9.20. Oxidizing properties	No data available.

#### **10. STABILITY/REACTIVITY**

10.1. Reactivity	No data available.
10.2. Chemical Stability	This product is stable.
10.3. Possibility of hazardous reactions	No data available.
10.4. Conditions to Avoid	Not data available.
10.5. Incompatible materials	No data available.
10.6. Hazardous decomposition products	No data available.

#### **11. TOXICOLOGICAL INFORMATION**

11.1. Toxicological effects	No data available.
• Acute toxicity	No data available.
• Skin corrosion/irritation	No data available.
• Serious eye damage/eye irritation	No data available.
• Respiratory or skin sensitization	No data available.
• Germ cell mutagenicity	No data available.



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- Carcinogenicity
  - IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.
  - ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
  - NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.
  - OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
- Reproductive Toxicity No data available.
- Specific target organ toxicity - single exposure No data available.
- Specific target organ toxicity - repeated exposure No data available.
- Aspiration hazard No data available.
- 11.2. Symptoms related to the physical, chemical and toxicological characteristics No data available.
- 11.3. Effects of Short-Term Exposure No data available.
- 11.4. Effects of Long-Term Exposure No data available.
- 11.5. Numerical measures of toxicity No data available.
- 11.6. Other Information No data available.

#### 12. ECOLOGICAL INFORMATION

- 12.1. Toxicity No data available.
- 12.2. Persistence and degradability No data available.
- 12.3. Bioaccumulative potential No data available.
- 12.4. Mobility in soil No data available.
- 12.5. Results of PBT and vPvB assessment No data available.
- 12.6. Other adverse effects No data available.

#### 13. DISPOSAL CONSIDERATIONS

- 13.1. Disposal Method 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.
- 13.2. Personal safety Refer to section 8.

#### 14. TRANSPORT INFORMATION

This product is considered non-hazardous for transport.



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### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

- SARA 313 components
- SARA 302 components
- SARA 311/312 Hazards
- Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see CFR 61)

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels.

Does not contain any components subject to reporting.

Not hazardous.

Does not contain any components subject to reporting.

#### U.S. State Regulations

- California Proposition 65
- Massachusetts Right To Know Components
- Pennsylvania Right To Know Components
- New Jersey Right To Know Components

Does not contain any components subject to reporting.

Does not contain any components subject to reporting.

Does not contain any components subject to reporting.

Does not contain any components subject to reporting.

#### WHMIS Hazard Class

Does not contain any components subject to reporting.

### 16. OTHER INFORMATION

#### Notice

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cellaria, LLC. shall not be held liable for any damage resulting from handling or from contact with the product. See Cellaria, LLC. website for terms and conditions of sale.

Preparation Date

August 21st, 2016

Version No.

1.1

Prepared by

Quality Control

**END OF SAFETY DATA SHEET**