SAFETY DATA SHEET
Cat# K964 EZ Cell Phagocytosis Red E. coli

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EZ Cell Phagocytosis Red E. coli

PRODUCT CODES: Cat# K964-100

MANUFACTURER: BioVision, Inc.

SECTION 2: HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Volume</th>
<th>Safety Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phagocytosis Assay Buffer</td>
<td>Liquid</td>
<td>2 X 90 ml</td>
<td>No hazards</td>
</tr>
<tr>
<td>Red E. coli</td>
<td>Liquid</td>
<td>600 µl</td>
<td>No hazards</td>
</tr>
<tr>
<td>10X Quenching Solution</td>
<td>Proprietary component</td>
<td>500 µl</td>
<td>See below</td>
</tr>
</tbody>
</table>

Proprietary Substrate:

Emergency Overview

OSHA Hazards: Carcinogen, Target Organ Effect

GHS Classification:

- Carcinogenicity (Category 1B)

GHS Label elements, including precautionary statements

Pictogram:

Signal word: Danger

Hazard statement(s): H350 May cause cancer.

Precautionary statement(s): P201 Obtain special instructions before use. P308+P313 IF exposed or concerned: Get medical advice/attention.

HMIS Classification

- Health hazard: 0
- Chronic health hazard: *
- Flammability: 0
- Physical hazards: 0

NFPA Rating

- Health hazard: 0
- Fire: 0
- Reactivity Hazard: 0

Potential Health Effects

- Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
- Skin: May be harmful if absorbed through skin. May cause skin irritation.
- Eyes: May cause eye irritation.
- Ingestion: May be harmful if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Product Name/Chemical Name</th>
<th>CAS Number</th>
<th>EC-No.</th>
<th>MW</th>
<th>Concentration</th>
<th>Chemical Formula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Substrate</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>0.1-1%</td>
<td>--</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for fire fighting if necessary.
Hazardous combustion products: Hazardous decomposition products formed under fire conditions— not known.
Conditions of flammability: Not flammable or combustible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods for cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling
Avoid inhalation of vapour or mist.
Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: 4 °C
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.
Personal protective equipment
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye protection
Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)
Skin and body protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Proprietary Substrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance: Liquid</td>
<td></td>
</tr>
<tr>
<td>pH:</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility: High</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity (g/ml):</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling Point (°C):</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting Point (°C):</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash Point (°C):</td>
<td>No data available</td>
</tr>
<tr>
<td>Ignition Temperature (°C):</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Proprietary Substrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions</td>
</tr>
<tr>
<td>Conditions to avoid:</td>
<td>Not available</td>
</tr>
<tr>
<td>Materials to avoid:</td>
<td>Strong oxidizing agents</td>
</tr>
<tr>
<td>Hazardous decomposition products:</td>
<td>Not available</td>
</tr>
</tbody>
</table>

SECTION 11: TOXICOLOGICAL INFORMATION
SAFETY DATA SHEET
Cat# K964 EZ Cell Phagocytosis Red E. coli

Acute toxicity:
- Oral LD50: no data available
- Inhalation LC50: no data available
- Dermal LD50: no data available
- Other information on 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: In vitro tests showed mutagenic effects

Carcinogenicity:
- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity – single exposure (GHS): no data available
Specific target organ toxicity – repeated exposure (GHS): no data available

Aspiration hazard: no data available
Potential Health Effects
- Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.
- Skin: Harmful if absorbed through skin. May cause skin irritation.
- Eyes: May cause eye irritation.
- Ingestion: May be harmful if swallowed.

SECTION 12: ECOLOGICAL INFORMATION

Proprietary Substrate
Elimination information (persistence and degradability): no data available
Ecotoxicity effects: no data available
Further information on ecology: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

Proprietary Substrate
DOT (US): not dangerous goods
IMDG: not dangerous goods
IATA: not dangerous goods

SECTION 15: REGULATORY INFORMATION

Proprietary Substrate
OSHA Hazards: Carcinogenic, Target Organ Effect
SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: Following components are subject to reporting levels established by SARA Title III, Section 313: Tetrasodium 3,3’-[3,3’-dimethyl[1,1’-biphenyl]-4,4’-diyl]bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] CAS-No. 72-57-1, Rev. Date 2007-07-01
SARA 311/312 Hazards: Chronic Health Hazard
Massachusetts Right To Know Components: Tetrasodium 3,3’-[3,3’-dimethyl[1,1’-biphenyl]-4,4’-diyl]bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] CAS-No. 72-57-1, Rev. Date 2007-07-01
Pennsylvania Right To Know Components: Tetrasodium 3,3’-[3,3’-dimethyl[1,1’-biphenyl]-4,4’-diyl]bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] CAS-No. 72-57-1, Rev. Date 2007-07-01
New Jersey Right To Know Components: Tetrasodium 3,3’-[3,3’-dimethyl[1,1’-biphenyl]-4,4’-diyl]bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate] CAS-No. 72-57-1, Rev. Date 2007-07-01
California Prop. 65 Components: WARNING! This product contains a chemical known to the State of California to cause cancer.

EU regulations

<table>
<thead>
<tr>
<th>Component</th>
<th>Risk Phrases</th>
<th>Safety Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Substrate</td>
<td>R40</td>
<td>S22/36/37/45</td>
</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

PAGE 3 OF 4
OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER:

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. BioVision, Inc., shall not be held liable for any damage resulting from handling or from contact with the
above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.