## Safety Data Sheet

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

- **Catalog Number:** CBA-130 or CBA-130-5
- **Product Name:** CytoSelect™ 96-Well Cell Transformation Assay (Soft Agar Colony Formation)
- **Recommended Use:** Laboratory Research Reagents

**MANUFACTURER:** Cell Biolabs, Inc.  
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San Diego, CA  92126

**EMERGENCY CONTACT:**  
+1 858 271 6500  
info@cellbiolabs.com

### SECTION 2. HAZARDS IDENTIFICATION

**Agar Solubilization Solution** (Part No. 113003): One amber bottle – 6.0 mL

**Classification:**
- Skin irritation, Category 2 (H315)
- Eye irritation, Category 2A (H319)
- Acute aquatic toxicity, Category 1 (H400)
- Chronic aquatic toxicity, Category 1 (H410)

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>Signal Word</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Pictogram" /></td>
<td>Warning</td>
<td>Causes skin irritation (H315), Causes serious eye irritation (H319), Very toxic to aquatic life with long lasting effects (H410).</td>
</tr>
</tbody>
</table>

**Precautionary Statements:** Wash skin thoroughly after handling (P264), Avoid release to the environment (P273), Wear protective gloves/protective clothing/eye protection/face protection (P280), IF ON SKIN: wash with plenty of soap and water (P302 + P352), IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338), If skin irritation occurs: Get medical advice/attention (P332 + P313), If eye irritation persists: Get medical advice/attention (P337 + P313), Take off contaminated clothing and wash before
reuse (P362), Collect spillage (P391), Dispose of contents/container to an approved waste disposal plant (P501).

8X Lysis Buffer (Part No. 113004): One bottle – 3.0 mL

**Classification:**
Acute toxicity, Oral, Category 4 (H302)
Eye irritation, Category 2A (H319)
Acute aquatic toxicity, Category 2 (H401)
Chronic aquatic toxicity, Category 2 (H411)

<table>
<thead>
<tr>
<th>Pictogram</th>
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<tbody>
<tr>
<td><img src="image1.jpg" alt="Image" /></td>
<td><img src="image2.jpg" alt="Image" /></td>
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<tr>
<th>Signal Word</th>
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</table>

**Hazard Statements:** Harmful if swallowed (H302), Causes serious eye irritation (H319), Toxic to aquatic life with long lasting effects (H411).

**Precautionary Statements:** Wash skin thoroughly after handling (P264), Do not eat, drink, or smoke when using this product (P270), Avoid release to the environment (P273), Wear protective gloves/protective clothing/eye protection/face protection (P280), IF SWALLOWED: call a POISON CENTER if you feel unwell. Rinse mouth (P301 + P312 + P330), IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305 + P351 + P338), If eye irritation persists: get medical advice/attention (P337 + P313), Collect spillage (P391), Dispose of contents/container to an approved waste disposal plant (P501).

CyQuant® GR Dye (Part No. 10103): One 25 µL tube

**Classification:**
Flammable liquids, Category 4 (H227)

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>None</th>
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<tr>
<th>Signal Word</th>
<th>Warning</th>
</tr>
</thead>
</table>

**Hazard Statements:** Combustible liquid (H227)

**Precautionary Statements:** Keep away from heat/sparks/open flames/hot surfaces. No smoking (P210), Wear protective gloves/protective clothing/eye protection/face protection (P280), In case of fire: use dry sand, dry chemical or alcohol-resistant foam for extinction (P370 + P378), Store in a well-
ventilated place and keep cool (P403 + P235), Dispose of contents/container to an approved waste disposal plant (P501).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Agar Solubilization Solution (Part No. 113003):** One amber bottle – 6.0 mL

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CONCENTRATION</th>
<th>CAS #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Compound A</td>
<td>4-10 M</td>
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</tbody>
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**8X Lysis Buffer (Part No. 113004):** One bottle – 3.0 mL

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<th>CAS #</th>
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<tbody>
<tr>
<td>Proprietary Coumpound B</td>
<td>10%</td>
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</table>

**CyQuant® GR Dye (Part No. 10103):** One 25 µL tube

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<th>CHEMICAL NAME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>99%</td>
<td>67-68-5</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST-AID MEASURES

- **IF SWALLOWED,** WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN 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. CALL A PHYSICIAN.
- **IN CASE OF CONTACT WITH EYES,** FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical or CO2
- Special protective equipment: Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Evacuate area
- Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves.
- Absorb with sand or vermiculite, sweep up, place in a bag and hold for waste disposal.
- Avoid raising dust.
- Ventilate area and wash spill site after material pickup is complete.

SECTION 7. SAFETY HANDLING AND STORAGE
- Should be handled by trained personnel observing good laboratory practices.
- Avoid breathing vapor.
- Avoid skin contact or swallowing.
- May cause allergic reaction in sensitized individuals.
- Store in properly labeled containers at temperature on label

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION
- Engineering measures: Handle in accordance with good industrial hygiene and safety practices. Wash hands immediately after handling the product.
- Personal protective equipment: Face shield or safety glasses, gloves, protective clothing, suitable respiratory equipment in cases of inadequate ventilation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
- Form: liquid
- Odor: no data available
- pH: no data available
- Boiling point / range: no data available
- Melting point / range: no data available
- Flash point: no data available
- Evaporation rate: no data available
- Vapor pressure: no data available
- Vapor density: no data available
- Relative density: no data available
- Water solubility: no data available
- Autoignition temperature: no data available
- Decomposition temperature: no data available
- Viscosity: no data available
- Explosive properties: no data available
- Oxidizing properties: no data available

SECTION 10. STABILITY AND REACTIVITY
- Stability: no data available
- Reactivity: no data available
- Conditions to avoid: no data available
- Incompatible materials: no data available
- Decomposition products: no data available

SECTION 11. TOXICOLOGICAL INFORMATION
- Acute toxicity
Proprietary Compound A: LD50 Oral-rat - 4.340 mg/kg
Proprietary Compound B: LD50 Oral 1.800 mg/kg (rat), LD50 dermal 8.000 mg/kg (rabbit)
DMSO: LD50 Oral - rat - 14.500 mg/kg, LC50 Inhalation - rat - 4 h - 40250 ppm, LD50 Dermal - rabbit - > 5.000 mg/kg

- Skin corrosion/irritation
  - Proprietary Compound A: Skin-rabbit-skin irritation - 24h
  - Proprietary Compound B: no data available
- Serious eye damage/irritation
  - Proprietary Compound A: Eyes-rabbit-moderate eye irritation - 24h
  - Proprietary Compound B: Moderate eye irritation - 24 h (rabbit)
- Respiratory or skin sensitization: no data available
- Germ cell mutagenicity: no data available
- Carcinogenicity: no data available
- Reproductive toxicity: no data available

SECTION 12. ECOLOGICAL INFORMATION

- Ecotoxicity
  - Proprietary Compound A: Toxicity to fish: LC50-Oncorhynchus mykiss (rainbow trout) - 860 mg/l - 96h; Toxicity to daphnia and other aquatic invertebrate: EC50-Daphnia magna (Water flea) - 0.17 mg/l - 48h
  - Proprietary Compound B: Toxicity to Daphnia and other aquatic invertebrates - EC50 26 mg/L - 48h (Daphnia)
  - DMSO: Toxicity to fish: LC50 34.000 mg/l - 96 h (Pimephales promelas), LC50 35.000 mg/l - 96 h (Oncorhynchus mykiss); Toxicity to daphnia and other aquatic invertebrates: EC50 27.500 mg/l (Daphnia pulex); Toxicity to algae: EC50 > 400.000 mg/l - 96h (Lepomis macrochirus)
- Mobility: no data available
- Biodegradation: no data available
- Bioaccumulation: no data available

SECTION 13. DISPOSAL CONSIDERATIONS
For small quantities: Cautiously add to a large stirred excess of water. Adjust the pH to neutral. Flush the aqueous solutions down the drain with plenty of water.

SECTION 14. TRANSPORT INFORMATION - IATA
- Hazard Class: Not Hazardous

SECTION 15. REGULATORY INFORMATION
- Safety, health and environmental regulations/legislation specific for the substance or mixture: no data available
- Chemical safety assessment: no data available
SECTION 16. OTHER INFORMATION
The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide for experienced personnel. Cell Biolabs, Inc. shall not be held liable for any damage resulting from the handling or from contact with the above product(s).

Revised 04/11/2022