



## Safety Data Sheet

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** INDIGlo Luciferase Detection Reagent

**Product Number:** LDR-10, LDR-25, LDR-50, LDR-500

**Supplier:** INDIGO Biosciences, Inc., 3006 Research Drive, Suite A1, State College, PA 16801, USA; +1 (814) 234-1919

**Recommended Use:** INDIGO's kits are intended for research purposes only, and not for diagnostic or therapeutic use in humans.

### SECTION 2: HAZARDS IDENTIFICATION

**Skin Irritant:** 2 May cause skin irritation.

**Eye Irritant:** 2 May cause eye irritation.

**STOT SE:** 3 May cause respiratory irritation.

**Hazard statement:** see Toxicological Information (Section 11) for further information.

**Precautionary statement:** Use personal protection devices (Section 8) to avoid direct contact.

### SECTION 3: COMPOSITION / INGREDIENT INFORMATION

**Bioactive Kit Components:** contains DL-Dithiothreitol (DTT; CAS no. 3483-12-3), 70 mM

### SECTION 4: FIRST AID MEASURES

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

**In case of eye contact:** Flush eyes with water as a precaution.

**If swallowed:** Rinse mouth with water. Consult a physician.

### SECTION 5: FIRE-FIGHTING MEASURES

Fire hazard: 0; fire-fighting measures not necessary

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Not applicable

### SECTION 7: HANDLING AND STORAGE

**Handling:** Use personal protection devices (Section 8) to avoid direct contact.

**Storage:** Luciferase Detection Reagent and Dilution Buffer must be stored at -80C.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Appropriate engineering controls:** Not applicable; refer to technical manual for equipment specifications.

**Personal protective equipment:**

**Hand protection:** Handle with gloves 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:** Safety glasses with side shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN166 (EU).

**Skin and body protection:** Impervious clothing.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Always wash hands 1.) immediately after using these kit components, and 2.) before leaving the lab environment.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

Detection Reagent: yellow hue; Dilution Buffer: clear

**State:** all components frozen liquid

**Upper/lower flammability or explosive limits:** Not applicable

**Odor:** Not applicable

**Vapor pressure:** No data available

**Odor threshold:** No data available

**Vapor density:** No data available

**pH:** No data available

**Relative density:** No data available

**Melting point/freezing point:** No data available

**Solubility:** No data available

**Initial boiling point and boiling range:** Not applicable

**Flash point:** Not applicable

**Evaporation rate:** No data available

**Flammability:** Not applicable; fire hazard: 0

**Partition coefficient:** No data available

**Auto-ignition temperature:** Not applicable; fire hazard: 0

**Decomposition temperature:** No data available

**Viscosity:** No data available

#### **SECTION 10: STABILITY AND REACTIVITY**

**Chemical stability:** Stable under recommended storage conditions

**Possibility of hazardous reactions:** No data available

**Materials to avoid:** Strong oxidizing agents

**Hazardous decomposition products:** Hazardous decomposition products formed under fire conditions: carbon oxides

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Skin corrosion/irritation:** May cause sensitization by skin contact.

**Serious eye damage/eye irritation:** May cause sensitization by eye contact.

**Respiratory or skin sensitization:** May cause sensitization by skin contact.

**Reproductive toxicity:** No data available

**Carcinogen indication:** Not applicable

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT and vPvGB assessment:** No data available

**Other adverse effects:** No data available

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Do NOT dispose of liquid or solid waste through municipal drainage or landfill systems. Contact a licensed professional waste disposal service to dispose of materials provided in this assay kit product.

#### **SECTION 14: TRANSPORT INFORMATION**

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

#### **SECTION 15: REGULATORY INFORMATION**

**OSHA Hazards:** Skin sensitizer, eye sensitizer, respiratory sensitizer

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (*de minimis*) reporting levels established by SARA Title III, Section 313.

#### **SECTION 16: OTHER INFORMATION**

**Date of last revision:** 15 December 2021