

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : **Human Retinoic Acid Receptor alpha (RAR α) Assay kits**

Product Number : **IB02201-32, IB02201, IB02202**

Supplier : **INDIGO Biosciences, Inc.**, 1981 Pine Hall Rd, State College, PA, 16801, USA

2. BIOACTIVE KIT COMPONENTS

9-*cis*-Retinoic Acid (CAS-No. 5300-03-8); 10 mM solution, solvated in DMSO

3. HAZARDS IDENTIFICATION

Mammalian reporter cells: Bio-safety Level 1 (BSL-1). Non-infectious, non-hazardous, mycoplasma-free, devoid of exogenous self-replicating or transmissible genetic elements or viral vectors; use personal protection devices (section 4) to avoid direct contact.

Cell culture media (CRM and CSM): contains 10% fetal bovine serum; use personal protection devices (section 4) to avoid direct contact.

NFPA Rating

Health hazard: 2

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes Cause eye irritation.

Ingestion May be harmful if swallowed.

4. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hand protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) 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 EN 166(EU).

Skin and body protection Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

5. FIRST AID MEASURES

In case of skin contact Wash off with soap and plenty of water.

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

If swallowed Rinse mouth with water. Consult a physician.

6. 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

7. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation no data available

Serious eye damage/eye irritation no data available

Respiratory or skin sensitization May cause sensitization by skin contact.

Reproductive toxicity 9-*cis*-retinoic acid is a presumed reproductive toxicant.

8. TRANSPORT INFORMATION

DOT (US) Not dangerous goods

IMDG Not dangerous goods

IATA Not dangerous goods

9. 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 vPvB assessment no data available

Other adverse effects no data available

10. REGULATORY INFORMATION

OSHA Hazards Target Organ Effect, Skin 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.

11. 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 these materials.