Safety Data Sheet

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION
Product Name: Human Calcitonin (CTR) Assay Kit
Product Number: IB55001-32, IB55001
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
Mammalian reporter cells: Bio-safety Level 2 (BSL-2). Non-infectious, non-hazardous, mycoplasma-negative, devoid of exogenous self-replicating or transmissible genetic elements of viral vectors; use personal protection devices (Section 8) to avoid direct contact.
Cell culture media (CRM and CSM): contains 5% fetal bovine serum; use personal protection devices (Section 8) to avoid direct contact.
NFPA rating for human Calcitonin
Health hazard: 0
Fire hazard: 0
Reactivity hazard: 0

Potential Health Effects
Skin: none indicated.
Eyes: none indicated.
Ingestion: none indicated.

Signal word: Not applicable
Hazard statement: Mammalian reporter cells are non-hazardous; see Toxicological Information (Section 11) for further information.
Precautionary statement: Use personal protection devices (Section 8) to avoid direct contact.
Pictograms: Not applicable

SECTION 3: COMPOSITION / INGREDIENT INFORMATION
Bioactive Kit Components: human Calcitonin (2.5 µM in PBS+0.1% BSA)

SECTION 4: 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.

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: Reporter cells, detection buffer, and detection substrate must be stored at -80C; all other assay kit components must be stored at temperatures no warmer than -20C but may remain at -80C storage.

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. 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 EN166 (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. Always wash hands 1.) immediately after using these kit components, and 2.) before leaving the lab environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
Appearance:
Media: reddish hue; cell suspension: cloudy; all other components: clear
State: all components cryo-preserved / solid
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: No data available
Serious eye damage/eye irritation: No data available
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
Bio-accumulative 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 bioactive and serum-containing 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: 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.

SECTION 16: OTHER INFORMATION
Date of last revision: 19 October, 2026