

Material Safety Data Sheet

PRODUCT IDENTIFICATION

Catalog Number: LTV-300, 301, 302
Product Name: All Recombinant Lentiviruses

MANUFACTURER:

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SECTION I - INFECTIOUS AGENT

PRODUCT IDENTIFICATION:

All pre-made lentivirus made by Cell Biolabs.

BIOLOGICAL NAME: Lentivirus

CHARACTERISTICS: The virions are enveloped, slightly pleomorphic, spherical and measure 80–100 nm in diameter. Recombinant lentiviruses can deliver a significant amount of genetic information into the DNA of the host cell and have the unique ability among retroviruses of being able to replicate in non-dividing cells, so they are one of the most efficient methods of a gene delivery vector. HIV, SIV, and FIV are all examples of lentiviruses.

SECTION II – RISKS OF LENTIVIRUS VECTORS

Potential for generation of replication-competent lentivirus
Potential for oncogenesis

SECTION III - VIABILITY

DRUG SUSCEPTIBILITY: No specific antiviral available

SUSCEPTIBILITY TO DISINFECTANTS: Recommend use of 10% bleach for 30 minutes.

SECTION IV - MEDICAL

SURVEILLANCE: Monitor for symptoms; confirm by serological analysis

FIRST AID/TREATMENT:

Contact: Immediately flush eyes and skin with plenty of water for at least 15 minutes. Call a physician.

Inhalation: N/A

Ingestion: Wash out mouth with water. Call a physician

Accidental injection: wash area with soap and water. Call a physician.

SECTION V – ACCIDENTAL RELEASE PROCEDURES

Pour 1 volume of Javel water over the leak(s) and wait for 15 minutes.

Wipe up carefully.

Hold for autoclave waste disposal and decontaminate work surfaces with 70% alcohol.

SECTION VI - RECOMMENDED PRECAUTIONS

CONTAINMENT REQUIREMENTS: Biosafety level 2 practices and containment facilities for all activities involving the virus and potentially infectious body fluids or tissues. This level consists of etiological agents considered to be of ordinary potential harm.

PROTECTIVE CLOTHING: Laboratory coat; gloves.

OTHER PRECAUTIONS:

Access to the laboratory is limited.

Work surfaces are decontaminated before and after each procedure

Mechanical pipetting devices are used for all procedures; mouth pipetting is prohibited.

Eating, drinking, and smoking are not permitted in the laboratory; food is not stored in laboratory areas.

Laboratory coats are worn in and are removed before leaving the laboratory.

Hands are washed before and after handling virus.

SECTION VII - HANDLING INFORMATION

DISPOSAL: Decontaminate all wastes before disposal; steam sterilization

STORAGE: In sealed containers that are appropriately labeled

SECTION VIII - MISCELLANEOUS INFORMATION

The above information and recommendations are believed to be accurate and represent the most complete information currently available to us. All materials and components may present unknown hazards and should be used with caution. Cell Biolabs, Inc assumes no liability resulting from use of the above products.