

MATERIAL SAFETY DATA SHEET

SECTION I - BIOLOGICAL SAMPLE

NAME: Replication-deficient Adenovirus

CHARACTERISTICS: Based on wild type Adenovirus type 5, which causes a mild, self-limiting disease in humans, the E1 region of the Adenovirus genome has been removed rendering it unable to replicate.

SECTION II - HEALTH HAZARD

PATHOGENICITY: The virus is ACDP category 1 (Advisory Committee on Dangerous Pathogens) meaning they are unable to infect humans and cause no disease.

HOST RANGE: Humans

INFECTIOUS DOSE: N/A

MODE OF TRANSMISSION: Non-infectious

INCUBATION PERIOD: Non-infectious

COMMUNICABILITY: Non-infectious

SECTION III - DISSEMINATION

RESERVOIR: Humans

ZOONOSIS: None

VECTORS: None

SECTION IV - VIABILITY

DRUG SUSCEPTIBILITY: Non-infectious

SUSCEPTIBILITY TO DISINFECTANTS: Susceptible to 1% Virkon, 1% Trigene, most bleach-based disinfectants. Resistant to ethanol and alcohol-based disinfectants.

PHYSICAL INACTIVATION: Gamma irradiation or heat treatment to above 56 degrees for longer than 2 hours can be performed and has been proven to inactivated the virus. Non-inactivated viruses are ACDP category 1 which means they are not able to infect humans.

SURVIVAL OUTSIDE HOST: Non-infectious

SECTION V - MEDICAL

FIRST AID/TREATMENT: Non-infectious. If you come in contact with sample, wash hands with soap and water.

IMMUNIZATION: None

PROPHYLAXIS: Not required

SECTION VI - BUFFERS AND CHEMICALS

SAMPLE BUFFER: Phosphate Buffered Saline, glycerol, tissue culture media, all non-hazardous

SECTION VII - RECOMMENDED PRECAUTIONS

CONTAINMENT REQUIREMENTS: Non-infectious, no containment required. Use of a ACDP containment level 2 cabinet is advised however to maintain sterility of sample and prevent transfection with the virus.

PROTECTIVE CLOTHING: None required, but lab coat and gloves are recommended.

OTHER PRECAUTIONS: None

SECTION VIII - HANDLING INFORMATION

SPILLS: Samples are non-infectious but it is recommended to disinfect any spills or contaminated material with 1% virkon for 24 hours.

DISPOSAL: No special hazards, disposal of disinfected liquids can be down the sink. Contaminated plasticware should be incinerated.

STORAGE: In sealed containers that are appropriately labelled. Store at -20°C or below (ideally -80°C) to maintain viability.

SECTION IX - TRANSPORT DETAILS

AIR TRANSPORT: Permitted, no restrictions.

ROAD TRANSPORT: Permitted, no restrictions.

RAIL TRANSPORT: Permitted, no restrictions.

SECTION X - MISCELLANEOUS INFORMATION

Date prepared: July, 2010

Prepared by: The Native Antigen Company

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