Safety Data Sheet

Section 1 – Product and Company Identification

Product Name: Human Influenza B/Lee/40 Purified Virus

Applicable Product(s): 10-220-500

Manufacturer: Advanced Biotechnologies Inc
9108 Guilford Rd
Columbia, MD 21046

Telephone: (410) 792-9779

Fax: (301) 497-9773

www.h-f-c.com

Section 2 – Composition/Information on Ingredients

Name: Dulbecco's Phosphate Buffered Saline (DPBS):

Sodium Phosphate, Dibasic	**CAS Number:** 7558-79-4
Potassium Phosphate, Monobasic	**CAS Number:** 7778-77-0
Sodium Chloride	**CAS Number:** 7647-14-5
Potassium Chloride	**CAS Number:** 7447-40-7

Name: Human Influenza Virus

Section 3 – Hazard Identification

I. Biohazards

Category: WHO Risk Group 2

Emergency Overview: Biohazardous

Pathogenicity: Influenza B is an acute viral disease of the upper respiratory tract characterized by acute fever, chills, headache, myalgia, weakness, runny nose, sore throat, and cough (can be severe). Nausea and vomiting are uncommon, except in children, and fatality is generally low, except in those with chronic lung or heart conditions. Recovery is usually rapid, but the cough may persist for some time. Influenza B causes the same spectrum of disease as influenza A but does not cause pandemics.

Host Range: Humans.

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II. Chemical Hazards

Emergency Overview: No known OSHA chemical hazards

Routes of Entry: N/A

Potential Health Effects

Eyes: N/A

Skin: N/A

Ingestion: N/A

Inhalation: N/A

Section 4 – First Aid Measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Contact a physician.

Skin Contact: Immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse. Contact a physician.

Inhalation: Move to fresh air. Contact a physician.

Ingestion: Wash out mouth with water provided person is conscious. Contact a physician.

General Advice: Contact a physician.

Section 5 – Fire-Fighting Measures

Flammability of the Product: Unknown.

Extinguishing Media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not Suitable: None known.

Section 6 – Accidental Release Measures

Personal Precaution: To minimize contact wear laboratory safety goggles, laboratory coat, and nitrile or latex gloves. Avoid breathing material.

Environmental precautions: Disinfect material before disposal.

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Spill Containment: Take up with an absorbent material. Disinfect area with 3% hydrogen peroxide followed by 70% isopropyl alcohol.

Section 7 – Handling and Storage

Handling: Biosafety Level-2 (BSL-2) facilities, practices and procedures are recommended for diagnostic, research and production activities utilizing contemporary, circulating human influenza B strains.

Storage: -70°C or lower.

Section 8 – Exposure Controls/Personal Protection

OSHA PEL/NIOSH REL: Contains no substances with occupational exposure limit values.

Ventilation: Work in a biological safety cabinet to reduce the possibility of exposure.

Respiratory Protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Hand Protection: Wear latex or nitrile gloves.

Eye Protection: Wear laboratory safety glasses or goggles.

Skin Protection: Wear a laboratory coat.

Section 9 – Physical and Chemical Properties

Appearance: Slightly whitish liquid.

Odor: Odorless.

Section 10 – Stability and Reactivity

Stability: No specific data.

Conditions to avoid: No specific data.

Materials to avoid: No specific data.

Hazardous Decomposition or By-Products: No specific data.

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Section 11 – Toxicological Information

LD50: Unknown.

LC50: Unknown.

Eyes: Unknown.

Skin: Unknown.

Ingestion: Unknown.

Inhalation: Unknown.

Section 12 – Ecological Information

Ecological Information: Avoid release to the environment.

Section 13 – Disposal Considerations

Disposal Methods: This material is infectious and, as such, must be decontaminated before disposal. 1:256 Lysol I.C. or 10% bleach may be used for disinfection.

Section 14 – Transport Information

D.O.T.: Class 6, Division 6.2 (UN3373)

Proper Shipping Name: Biological substance Category B

IATA: Class 6, Division 6.2 (UN3373)

Proper Shipping Name: Biological substance Category B

Section 15 – Regulatory Information

U.S Federal Regulations

OSHA Hazard: Biohazardous

SARA 302/304/311/312 Extremely Hazardous Substances: N/A

SARA 313: N/A

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Canada

WHMIS Classification: Class D, Division 3

Section 16 – Other Information

The above information is believed to be accurate but does not purport to be all inclusive and shall be used only as a guide. Advanced Biotechnologies, Inc. shall not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.

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