Influenza B Virus, B/Lee/1940

Catalog No. NR-3178
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For research use only. Not for human use.

Contributor:
National Institutes of Allergy and Infectious Diseases (NIAID),
National Institutes of Health

Manufacturer:
Parke, Davis and Company, PH-43-62-841

Product Description:
Reagent: Seed Virus

Virus Classification: Orthomyxoviridae, Influenzavirus B
Species: Influenza B virus
Strain/Isolate: B/Lee/1940

NIAID Class: Research Reference Reagent
Source: National Centers for Disease Control

Donor Passage History (# of passages):
- Ferret (8)/ Mouse (137)/ Chicken embryo (178)

Producer Passage History (# of passages):
- Chicken embryo (5)

Comments: Sequence information is available for influenza
B virus, B/Lee/1940 at the Influenza Research Database.

Note: BEI Resources was asked to distribute this virus
preparation from NIAID’s historical repository. Historical
characterization information is shown below in the
Functional Activity and Purity sections (tests performed in
June, 1969). Recent characterization information is shown
on the Certificate of Analysis.

Material Provided/Storage:
Composition: Allantoic fluid
Volume: 1.0 mL
Storage Temperature: -60°C or colder

Functional Activity (June 1969):
Infectivity:
- Conditions: 10 to 11 day chicken embryo
  TCID50: \(2 \times 10^6\) per mL

Complement Fixation:
- Conditions: 2 units of activated complement (C'); 30
  minutes at 37°C
  Titer: 1:4

Hemagglutination:
- Conditions: Human type O red blood cells; 1 hour at room
  temperature
  Titer: 1:320

Purity (June 1969):
- Serum Neutralization Breakthrough: Negative
- Bacterial Sterility: Negative
- Mycoplasma: Negative

Citation:
Acknowledgment for publications should read “The following
reagent was obtained through BEI Resources, NIAID, NIH:
Influenza B Virus, B/Lee/1940, NR-3178.”

Biosafety Level: 2
Appropriate safety procedures should always be used with
this material. Laboratory safety is discussed in the following
publication: U.S. Department of Health and Human Services,
Public Health Service, Centers for Disease Control and
Prevention, and National Institutes of Health. Biosafety in
Microbiological and Biomedical Laboratories. 5th ed.

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References:
1. The Tissue Culture Infectious Dose 50% (TCID\textsubscript{50}) endpoint is the 50% infectious endpoint in tissue culture. The TCID\textsubscript{50} is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the cultures inoculated, just as a Lethal Dose 50% (LD\textsubscript{50}) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID\textsubscript{50} provides a measure of the titer (or infectivity) of a virus preparation.

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