Influenza A Virus,  
A/Puerto Rico/8/1934 (H1N1)

Catalog No. NR-3169  
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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 A  
Species: Influenza A virus  
Strain/Isolate: A/Puerto Rico/8/1934 (H1N1); also A/PR/8/34(H1N1)  
NIAID Class: Research Reference Reagent  
Source: National Centers for Disease Control  
Donor Passage History (# of passages):  
Chicken embryo (2)  
Comments: Sequence information is available for influenza A virus, A/Puerto Rico/8/1934 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  
TCID_{50} = 2 \times 10^6 per mL  
Complement Fixation:  
Conditions: 2 units of activated complement (C'); 30 minutes at 37°C  
Titer: 1.8  
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 A Virus, A/Puerto Rico/8/1934 (H1N1), NR-3169.”

Biosafety Level: 2  

Disclaimers:  
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References:
1. The Tissue Culture Infectious Dose 50% (TCID$_{50}$) endpoint is the 50% infectious endpoint in tissue culture. The TCID$_{50}$ 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$_{50}$) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID$_{50}$ provides a measure of the titer (or infectivity) of a virus preparation.


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