Product Information Sheet for NR-3238

Human Parainfluenza Virus 4B, 19503

Catalog No. NR-3238
This reagent is the property of the U.S. Government.

For research use only. Not for human use.

Contributor:
National Institutes of Allergy and Infectious Disease, National Institutes of Health

Manufacturer:
Lederle Laboratories, NIH-69-2043

Product Description:
Reagent: Seed Virus

<table>
<thead>
<tr>
<th>Virus Classification</th>
<th>Paramyxoviridae, Rubulavirus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agent</td>
<td>Human parainfluenza virus 4B</td>
</tr>
<tr>
<td>Strain/Isolate</td>
<td>19503</td>
</tr>
<tr>
<td>NIAID Class</td>
<td>Research Reference Reagent</td>
</tr>
<tr>
<td>Donor</td>
<td>D. R. M. Chanock</td>
</tr>
<tr>
<td>Donor Passage History</td>
<td>(6)</td>
</tr>
<tr>
<td>Producer Passage</td>
<td>(8)</td>
</tr>
</tbody>
</table>

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 1971). Recent characterization information is shown on the Certificate of Analysis.

Material Provided/Storage:
Composition: Tissue culture media containing 0.5% lactalbumin, 4% sorbitol, 4% N-Z amine, and antibiotics

<table>
<thead>
<tr>
<th>Volume</th>
<th>1.0 mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>-60°C or colder</td>
</tr>
</tbody>
</table>

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Functional Activity (June 1971):
Infectivity:

<table>
<thead>
<tr>
<th>Conditions</th>
<th>African green monkey kidney</th>
</tr>
</thead>
<tbody>
<tr>
<td>TCID&lt;sub&gt;50&lt;/sub&gt;</td>
<td>1.0 x 10&lt;sup&gt;2&lt;/sup&gt; per mL</td>
</tr>
</tbody>
</table>

Purity (June 1971):
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: Human Parainfluenza Virus 4B, 19503, NR-3238.”

Biosafety Level: 2

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


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