April 12, 1957

Dr. Leon Rosen  
Laboratory of Tropical Diseases  
National Microbiological Institute  
National Institutes of Health  
Bethesda 14, Maryland

Dear Dr. Rosen:

Dr. Sabin has asked me to send you antisera of the new Echo types 17, 18 and 19. The data of these sera are as follows:

<table>
<thead>
<tr>
<th>Type</th>
<th>Designation</th>
<th>Titer per 0.1 ml</th>
<th>Amount sent (ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Echo 17 (CHHE 290)</td>
<td>Rabbit 2917 of 5-14-56</td>
<td>160</td>
<td>0.2*</td>
</tr>
<tr>
<td>Echo 18 (Metcalf-D 3)</td>
<td>&quot; 57 of 7-30-56</td>
<td>see below</td>
<td>1</td>
</tr>
<tr>
<td>Echo 19 (Burke - D 4)</td>
<td>Cynomolgus 141 of 11-29-56</td>
<td>625</td>
<td>1</td>
</tr>
</tbody>
</table>

* sent as 1 ml of 1:5 dilution.

I am sorry that we are very short of the Echo 17 antiserum, but I trust you will be able to carry out two tests with the amount sent. The titer of the Echo 18 was 1600 in one test but we are uncertain about it and are rechecking it now. I will let you know the results as soon as the test is finished.

Sincerely yours,

R. Wigand, M. D.

RW:meh