

Current
Titrations of
lots of Virus

AUG 20 1954

Retitration of Leon KP3, Vial II of
 4-7-53 (C-11-8) Recently Used
 for Subcutaneous Inoculation in Monkeys
 (7-28-54)

Culture Tubes Used: Series 45 of 8/13/54

<u>Dilution</u>	<u>Tube No.</u>	8/22/54	8/23	8/24	8/24	8/25	8/28
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>8</u>
10^{-3}	45-161	0	2	3	4	5	8
	162	0	3	4	5	8	8
	163	0	3	4	5	8	8
10^{-4}	164	0	1	3	4	5	8
	165	0	0	0	0	0	0
	166	0	0	3	4	5	8
10^{-5}	167	0	0	0	0	0	8
	168	0	0	0	0	0-1	8
	169	0	0	0	0	0	0
10^{-6}	170	0	0	0	0	0	0
	171	0	0	0	0	0	0
	172	0	0	0	0	0	0

$10^{5.0} / 0.2 \text{ ml}$ or $10^{5.7} / \text{ml}$

3	0	7	0
2	1	4	1
2	1	2	2
0	3	0	

8-3-54

Survival of Polio Virus in Our Regular Lactalbumin Medium - pH 8+ without plasma or cells. - Roller Drum - 36°-37°C

1 ml of Leon, KP36 of 4-19-54-10^{7.5} ~~7.0~~
+ 2 ml of regular medium.

Left in roller drum for 10 days

10-DAY TEST

8-13-54

0.5 ml transferred to each of 2 monkey kidney tubes. Series 39 of 8/6/54

<u>Tube No.</u>	8/14 <u>1</u>	8/15 <u>2</u>	8/16 <u>3</u>	
39-116	0	2-3	4+off	} discarded
39-117	0	2-3	4+off	

14-DAY TEST

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0.5 ml transferred to each of 2 tubes Series 41 of 8/9/54 - very good growth

<u>Tube No</u>	8/19 <u>2</u>	8/20 <u>3</u>	8/21 <u>4</u>	8/23 <u>6</u>	
41-A	0	0	0	4+off	- Stored in upright deep freeze
41-B	0	2-4	off		- Stored in upright deep-freeze

18-DAY TEST

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Remaining 0.8 ml, divided between 2 tubes

<u>Tube</u>	8/23 <u>2</u>	8/24 <u>3</u>	8/25 <u>4</u>	8/26 <u>5</u>	8/28 <u>7</u>	8/31 <u>10</u>	9/1 <u>11</u>
45-A	0	0	0	0	0	0-? Od	Od Od
45-B	0	0 vac	0	0	0		

Observe for 8 days - Freeze positive

Leon Series - Potency of Virus in Culture

Fluid Derived from Cynomolg. CVS - used
for Spinal Inoculation of Mice

Dilutions: in Hanks. 0.2 ml per tube; Note - Cult. Fluid in Amps
is Undiluted

Monkey Kidney Culture Tubes Used: Series 40 of 8/7/54

Fluid Titered	Dilution	Tube No	8/17 1	8/18 2	8/20 4	8/23 7	8/25 9
Tube "27-5" of 8-2-54 - stored in A-8-8	10^{-4}	40-701	0	0	off		
		.702	0	0-?	off		
		.703	0	2	off		
Derived from Cyn 6817-6820	10^{-5}	.704	0	0	0-1	off	
		.705	0	0	off		
		.706	0	0	0	0	2
	10^{-6}	.707	0	0	0	0	0
		.708	0	0	0	0	0
		.709	0	0	0	0	0
10^{-7}	.710	0	0	0	0	0	
	.711	0	0	0	0	0	
	.712	0	0	0	0	0	
Tubes "23-5 ₂ +5 ₃ " of 8-3-54 - stored in B-11-2	10^{-4}	.713	0	0	0	0	0
		.714	0	0	0	0	0
		.715	0	0	4		
	10^{-5}	.716	0	0	0	0	0
		.717	0	0	0	0	0
		.718	0	0	0	0	0
	10^{-6}	.719	0	0	0	0	0
		.720	0	0	0	0	0
		.721	0	0	0	0	0
10^{-7}	.722	0	0	0	0	0	
	.723	0	0	0	0	0	
	.724	0	0	0	0	0	

Leon Series - Progeny of Cyn 6817-6820 Group

Typing of Virus in Paralyzed Mouse No. 3
of Test of 8-10-54

Material Used: 10% suspension of spinal cord
harvested 8/14/54 & frozen in
deep freeze.
Dilute 1:5 for test

Mixture - 0.4 ml of 1:50 + Hanks
0.4 ml of 1:50 + Type III serum 1:5

<u>Mixture Tested</u>	Tube No	Dilution					Discard
		1/20	1/21	1/23	1/24	1/26	
Virus + Hanks	43-907	1	2	4	5	7	
	908	0	0-2	0			
	43-909	0	0-1	0			
Virus + Type III	910	0	0	0	0	0	
	911	0	0	0	0	0	
	912	0	0	0	0	0	