

Type I, Fed
Rectal Swabs.

MAR 18 1959

Carrier of Echo 3.

Material

Inhes. Series 1370 as attached sheet (of 3/12/59)

Procedure 0.4 ml of fluid inoculated into each of 3 tubes.

Date of Rectal Swab	Inhes. A.	3/20	3/21	3/23	3/24	3/25	3/26	
		2	3	5	6	7	8	
2/10/59	43	?	0	0	0	0	0	
he	44	?	0	0	0-2	2-3	4 off	Saved of F4.
	45	0	0	0	0	0	0	
2/12/59	46	?	0	few	1-3	3-4 off		Pooled Saved of F4.
2 days	47	0	0	1-3	3	4 off		
	48	?	0	1-3	3	4 off		
2/14/59	49	0	few	3-4 off				Pooled saved of F4. ✓
4 days	50	?	few	3-4 off				
	51	?	few	3-4 off				
2/16/59	52	0	0	0-2	2-3	4 off		Pooled Saved of F4.
6 days	53	?	0	0-1	3	4 off		
	54	?	0	1-2	3-4 off			
2/19/59	55	?	0	0	0	0	0	
9 days	56	0	0	0	0	0	0	
	57	0	0	0	0	0	0	
2/23/59	58	0	0	0	0	0	0	
13 days	59	0	0	0	0	0	0	
	60	0	0	0	0	0	0	
3/3/59	61	?	0	0	0	0	0	
21 days	62	0	0	0	0	0	0	
	63	0	0	0	0	0	0	

Test cult fluid
10⁻⁷ to 10⁻¹⁰
Plasma

Check for I
on Swab fluid

3/20 ? indicates several refractile cells in the tissue ? specific

ESPINDOLA

Throat swabs.

MAR 18 1959

MaterialTubes Series T 370 as overleaf.Procedure 0.4 ml fluid inoculated into each of 3 tubes.

<u>Date of Throat Swab</u>	<u>Tubes</u> A	<u>3/20</u> <u>2</u>	<u>3/21</u> <u>3</u>	<u>3/23</u> <u>5</u>	<u>3/24</u> <u>6</u>	<u>3/25</u> <u>7</u>	<u>3/26</u> <u>8</u>
2/10/59	64	0	0	0	0	0	0
Free	65	0	0	0	0	0	0
	66	0	0	0	0	0	0
2/12/59	67	0	0	0	0	0	0
2 days	68	0	0	0	0	0	0
	69	0	0	0	0	0	0
2/14/59	70	0	0	0	0	0	0
4 days	71	0	0	0	0	0	0
	72	0	0	0	0	0	0
2/16/59	73	0	0	0	0	0	0
6 days	74	0	0	0	0	0	0
	75	0	0	0	0	0	0
2/19/59	76	0	0	0	0	0	0
9 days	77	?	0	0	0	0	0
	78	0	0	0	0	0	0
2/23/59	79	0	0	0	0	0	0
13 days	80	?	0	0	0	0	0
	81	?	?	0	0	0	0
3/3/59	82	?	0	0	0	0	0
21 days.	83	?	0	0	0	0	0
	84	0	0	0	0	0	0

APR 6 1959

Type I group.

To identify the virus in the Rec. Rectal Swab.

Material used MKP, 7/3/59 of Rec Rectal Swab (tube A44) diluted 10^{-4}
Serum Polio I + II + III pooled antiserum containing
 I. R. 18+19 1:20
 II. R43+44 1:10
 III. R63+64 1:10

tubes T375 7/3/59 medium added 9/4/59 and changed before use
 to 0.5% lact. alb. hydr. in Earle's solⁿ no serum.

<u>Mixture</u>	<u>tubes</u>	4/7	4/8	4/9	4/10	4/11	4/13	4/14	
	A	1	2	3	4	5	7	8	
10^{-4} + equal vol serum	1	0	0	0	few	few	2-3	2-3	
	2	0	0	0	few	0-1	2-3	2-3	
	3	0	0	0	few?	0	0-2	2-3	Not Polio I, II, or III
+ diluent = $10^{-4.3}$	4	0	0	0	few	0-1	2-3	2-3	
	5	0	0	0	few	0-1	2-3	2-3	
$10^{-5.3}$	6	0	0	0	0	few	1-3	2-3	4/15
	7	0	0	0	0	0	0-2	2-3	9
$10^{-6.3}$	8					0	0	0-1	1-3
	9					0	0	0	0
$10^{-7.3}$	10					0	0	0-1	1-3
	11					0	0	0-1	1-3

Not Polio

 $10^{-7.3}/0.2\text{ml}$

To identify the virus in Rectal Swab of 2/14/59 4 day.

Material used Original Rectal Swab of 2/14/59all usedSerum Polio I antiserum, R2149 R18+19 11/3/55 1:20tubes as above.

	<u>tubes</u>	4/7	4/8	4/9	4/10	4/11	4/13	4/14	
	A.	1	2	3	4	5	7	8	
<u>Original swab fluid + equal</u>	12.	0	0	0	few	0-1	2-3	2-3	
<u>vol serum.</u>	13	0	0	0	few	0-1	2-3	2-3	
= $100:3$.	14	0	0	0	0	0-1	2-3	2-3	
$10^{-1.3}$ fluid + diluent	15	0	0	0	few	0-1	2-3	2-3	
	16	0	0	0	0	few	2-3	2-3	Not Polio I
10^{-2}	17					0	0	0	4/15
	18					0	0	few	0-2
10^{-3}	19					0	0	0	0
	20					0	0	0	0
fluid undil + diluent = $100:3$	52	0	0	0	few	0-2	2-3	2-3	2-3
equal volumes.	53	0	0	0	few	0-1	2-3	2-3	2-3

Not Polio I

 $10^{-2}/0.2\text{ml}$ $10^{-2.7}/\text{ml}$

tubes T377 of 4/7/59. Sera as overleaf.

APR 13 1959

Rectal Swab of
2/12/59

tubes
1

4/15 4/16 4/17 4/18 4/20 4/22
2 3 4 5 7 9

Fluid + equal vol serum
Polio I

1
2
3

0 0 0 0 0 0
0 0 0 0 0-2 4 off resid patches
0 0 0 vac 0 vac 0

No Polio I
Some

+ equal vol diluent

4
5
6

0 0 0 0 0 0
0 0 0 0 0-1 2-3
0 0 0 0 0 vac 0

10^{-1}

7
8

0 0 0
0 0 0

10^{-2}

9
10

10^{-3}

11
12.

Rectal swab of
2/16/59

Fluid + equal vol serum.
Polio I.

13
14
15

0 0 0 few 2-3 2-4 off
0 0 0 0-1 2-3 2-4 off
0 0 0 0-1 2-3 4 off resid patches

Not Polio I

+ equal vol diluent

16
17
18

0 0 0 0 2-3 2-4 off
0 0 few 0-1 2-4 off
0 0 few vac 1-2 vac. gone

10^{-1}

19
20

0-1 2-4 off.
0 1-2 2-4 off

10^{-2}

21
22

0 0 vac 0
0 few 0-2

10^{-3}

23
24

0 0 0
0 0 0

$10^{2.0}$ / 0.2 ml
 $10^{2.7}$ / gram

MAY 4 1959

To identify the virus in the PRE. Rectal Swab.

ECHO 3.

Virus MKP, of 3/26/59 (tube A44) of the Pre. Rectal Swab of 2/10/59
 Virus 10⁵/0.2 ml. Used 10⁻⁴

Sera Echo - Cox sachie Pools as listed. See details filed at front
 of this book.

Tubes 1380 of 4/28/59

Virus	Serum.	A	5/7	5/9	5/11	5/12
			<u>3</u>	<u>5</u>	<u>7</u>	<u>8</u>
10 ⁻⁴	+	E1.	1	0	0	0.2
			2	few	0-3	3-4 off
			3	0	0-3	3-4 off

20 TC 750

	E2.	4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0

(Echo 2, 3, 5, 12
6, 6, 6)

	E3	7	0	1-3	4 off	
		8	few	2-3	4 off	
		9	0	2-3	3-4 off	
	E4	10	few	2-3	4 off	
		11	0	2-3	4 off	
		12	few	2-4 off		
	E5	13	0	0-1	4 off	
		14	0	1-3	4 off	
		15	0	1-3	4 off	

Echo 4	16	0	0	2-3	2-4 off	
	17	0	1-3	3-4 off		
	18	0	1-3	3-4 off		

Echo 17	19	few	2-4 off			
	20	few	1-3	3-4 off		
	21	0	2-4 off			

Echo 20	22	0	0-2	3-4 off		
	23	0	2-4 off			
	24	0	2-4 off			

Echo 21.	25	0	1-3	3-4 off		
	26	0	few	2-3	4 off	
	27	few	2-4 off			

Cox 1.	28	0	1-3	3-4 off		
	29	0	1-3	4 off		
	30	0-1	2-4 off			

<u>Virus</u>	<u>Serum</u>	<u>Tubes</u>	5/7	5/9	5/11	5/12
10 ⁻⁴	Pool.	A.	<u>3</u>	<u>5</u>	<u>7</u>	<u>8</u>
	Cox 2.	31	0	1-3	4 w/	
		32	0	1-2	3-4 w/	
		33	0	1-3	3-4 w/	
	Cox 3	34	0	0-1	4 w/	
		35	few	2-4 w/		
		36	0	0	0	0

+ equal vol diluent

10 ^{-4.3}	37	1-3	3-4 w/		
	38	0-2	2-4 w/		
	39	0-2	2-4 w/		
10 ^{-5.3}	40	0	few	2-4 w/	
	41	0	0	0	0
	42	0	0-2	2-4 w/	
10 ^{-6.3}	43		0	0	0
	44		0	0	0
	45		0	0	0
10 ^{-7.3}	46			0	0
	47			0	0
	48			0	0

10^{5.6} / 0.2 ml.

5/6. 2 days. tubes 37-39 negative others not read.

MAY 11 1959

To identify the virus in the PRE. Rectal Swab

The virus was inhibited by the E-2 Pool which contains the following sera Echo 2, 3, 5, 12, 6, 6', & 6"

Virus MKP, of 3/26/59 (tube H44) of the PRE Rectal Swab of 2/10/59
 diluted $10^{-3.3}$ estimated 200 TC₅₀/0.2ml.

Tubes 1381 of 5/5/59.

<u>Virus</u>	<u>Serum.</u>	<u>Tubes</u>	5/14	5/16	5/18	5/19
		7	<u>3</u>	<u>5</u>	<u>7</u>	<u>8</u>
$10^{-3.3}$ +	Echo 2.	1	0-1	2-3	4+//	
		2	few	2-3	2-4+//	
<u>300 TC₅₀</u>		3	0	2-3	4+//	
	Echo 3	4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
	Echo 5	7	moulds.			
		8	moulds			
		9	moulds.			
	Echo 12	10	moulds.			
		11	1-2	3-4	4+//	
		12	0-1	3-4	4+//	
	Echo 6	13	0	1-2	2-4+//	
		14	few	2-3	3-4+//	
		15	few	1-3	3-4+//	
	Echo 6'	16	few	2-4	4+//	
		17	0-2	2-4	4+//	
		18	few	1-3	3-4+//	
	Echo 6"	19	0-1	2-3	4+//	
		20	few	1-3	4+//	
		21	few	1-3	2-4+//	
+ diluent	$= 10^{3.6}$	22	0	1-3	4+//	
		23	0-2	2-4	4+//	
		24	0	1-3	2-4+//	
		25	0-2	2-4	4+//	

9 evening

	tubes	5/14	5/15	5/18	5/19
	17	<u>3</u>	<u>5</u>	<u>7</u>	<u>8</u>
10 4.6	26	few	2-4	4 off	
	27	0 few	2-4	4 off	
	28	few	2-4	4 off	
	29	0	1-2	2-4 off	
10 5.6	30	0	1-2	2-4 off	
	31	0	few	1-3	2-4
	32	0	1-2	2-4 off	
	33	0	2-3	2-4 off	
10 6.6	34		0	0	0
	35		0	0	0
	36		0	0	0
	37		0	0	0

10 6.1 / 0.2 ul

5/13 2 days Controls negative.

To find if any

Previous tests

Previous tests

Previous tests

Procedure

Procedure

Procedure

Inches T384 of 5/19/59

Inches T384 of 5/19/59

RS 2/14/59 MKP.

RS 2/14/59 MKP.

	tubes	5/29	5/30	5/31	6/1	6/2	6/3	6/5	6/6
	A	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>10</u>	<u>11</u>
R. S. 2/14/59 MKP,									
10 ^{-3.7} + diluent	22	few	1-3	2-4 off					
	23	few	1-3	2-4 off					
	24	few	1-3	2-4 off					

RS 2/16/59 MKP,

										<u>6/8</u> <u>13</u>
10 ^{-3.7} + Echo 3.	25	0	0	0	few	few	few	0-1	0-1	2-3
	26	0	0	0	0	0	0			
	27	0	0	0	few	0-1	0-1	1-3	2-4 off	
+ Polio I	28	few	1-3	2-4 off						
	29	few	2-3	5-4 off						
	30	few	2-3	3-4 off						
+ Echo 3	31	0	0	0	0	0	0			
+ Polio I	32	0	0	0	0	0	0			
	33	0	0	0	few	0-1	0-1	1-3	2-3	4 off
+ diluent	34	few	1-3	3-4 off						
	35	few	1-3	3-4 off						
	36	0-1	2-3	3-4 off						

5/28 controls negative: other tubes not read