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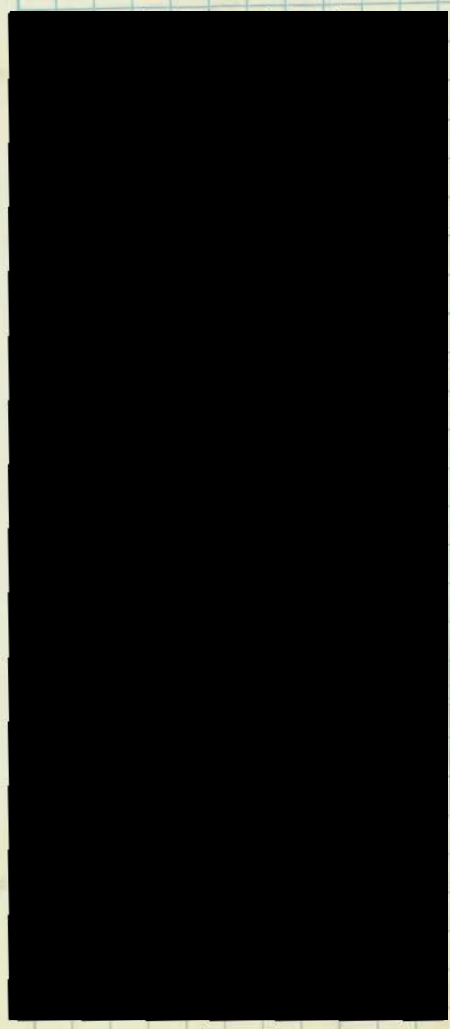
Test for Type 1 Polio antibody in Normal Human Sera — Staff of Dr. Salvin's Lab

Sera: 10 Staff members of Dr. Salvin Laboratory
(H. Eggers)
all bled on 2/3/58, 1 bled on 12/14/57

Worms: LSC 2ab II KP₂ of 10-10-56
use on basis of 10^{-4.7} / 0.2 ml = 100 TC D₅₀
use 1:25,000 Amp 3 stored in A-7-2

Trans. Cult. Tubes: T301 of 1/28/58 medium (gassed
Carles' + 20% calf serum added on
2/1/58, changed + gassed pH 7.5
Carles' (no serum) before use

Mixture:



	tube P	7/6	7/10	7/12	7/14
	2	2	4	6	8
und	25	2	4		
	26	2	"		
	27	2	"		
und	28	0	0	0	0
	29	0	0	0	0
	30	0	0	0	0
und	31	0	0	0	0
	32	0	0	0	0
	33	0	0	0	0
und	34	0	0	0	0
	35	0	0	0	0
	36	0	0	0	0
und	37	0	0	0	0
	38	0	0	0	0
	39	0	0	0	0
und	40	0	0	0	0
	41	0	0	0	0
	42	0	0	0	0
und	42a	0	0	0	0
	42b	0	0	0	0
	42c	0	0	0	0

Nuxtene

	P	2/8	2/10	2/12	2/14
		<u>2</u>	<u>4</u>	<u>6</u>	<u>8</u>
used	43	0	0	0	0
	44	0	0	0	0
	45	0	0	0	0
used	46	0	0	0	0
	47	0	0	0	0
	48	0	0	0	0
used	49	0	0	0	0
	50	0	0	0	0
	51	0	0	0	0
used	51a	0	0	0	0
	51b	0	0	0	0
	51c	0	0	0	0

Virus Titration

10	4.7	52	4/1		
		53	4/1		
		54	4/1		
		55			
10 ^{-5.7}		56	3	4/1	
		57	4/1		
		58	2	4/1	
		59	2	"	
10 ^{-6.7}		60	0	4/1	
		61	1	4/1	
		62	0	4/1	
		63	12	4/1	
10 ^{-7.7}		64	0-1	4/1	
		65	0	0	0
		66	0	0	0
		67	0	0	0

10^{5.3} / 0.2 ml
400 TCID₅₀ Virus used

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Test for Type 2 Polioantibody in Normal
Human Sera - Staff members of Dr Sabin's lab.

Sera: 10 Staff members bled on 2/3/58.

10 Coffers bled on 12/14/57

Virus: Poliovirus Type 2 P712-ch 9577 2af₆ KP₃f
11/16/56 Titer was $10^{-7.2}/0.2$ ml
use 1:80,000 Amp 243 w A-6-5

Tiss Cult. Tube: T301 f 1/28/58, medium (gassed
Gaul's $\bar{c}$ 2% calf serum added on
2/1/58. changed $\bar{c}$ gassed pH 7.5
Gaul's (no serum) before use

Mixtures

Tube N 7g 7/11 7/13 7/15
 2 4 6 8

und	1	0	0	0	0
	2	0	0	0	0
	3	0	0	0	0
und	4	0	0	0	0
	5	0	0	0	0
	6	0	0	0	0
und	7	0	0	0	0
	8	0	0	0	0
	9	0	0	0	0
und	10	0	0	0	0
	11	0	0	0	0
	12	0	0	0	0
und	13	0	0	0	0
	14	0	0	0	0
	15	0	0	0	0
und	16	0	0	0	0
	17	0	0	0	0
	18	0	0	0	0
und	19	0	0	0	0
	20	0	0	0	0
	21	0	0	0	0

mixture

Table IV 2/9 2/11 2/13 2/15
 2 4 6 8

und 22 0 0 0 0
 23 0 0 0 0
 24 0 0 0 0

und 25 0 0 0 0
 26 0 0 0 0
 27 0 0 0 0

und 28 0 0 0 0
 29 0 0 0 0
 30 0 0 0 0

und 31 1 4/1
 32 0-1 1
 33 0-1 1

Virus Titration

10^{-5.2} 34 23 4/1
 35 4/1
 36 4/1

10^{-6.2} 37 2 4/1
 38 4/1
 39 4/1
 40 2 4/1

10^{-7.2} 41 2 4/1
 42 0 4/1
 43 0 0 4/1
 44 0 0 0 0

10^{-8.2} 44a 0 0 0 0
 44b 0 0 0 0
 44c 0 0 0 0
 44d 0 0 0 0

7.5 / 0.2 ml
10 virus und
200 TC₅₀

Status of Polio antibodies - staff members of Dr. Salim's Lab.

Polio antibody

Serum Tested
(undil.)

Type 1
(400 TCD₅₀)
Virus used

Test of 2/6/58

no (Type 1 taken)

yes

yes

yes

yes

yes

yes

yes

yes

yes

yes

Type 2
(200 TCD₅₀)
Virus used

Test of 2/7/58

yes

yes

yes

yes

yes

yes

yes

yes

yes

yes

NO

Type 3
(100 TCD₅₀)
Virus used

Test of 2/7/58

yes

yes

yes

no (Type 3 taken)

+ → 0

no (Type 3 taken)

yes

no

+ → 0

yes

yes

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Test for type 3 Poliovirus body in normal
Human serum - Staff members of Dr. Salvin's Lab.

Sera - 10 staff members bled on 2/3/58
H. Eggers bled on 12/14/57

Virus : Poliovirus Type 3 Leon 12a, 15 KPa f 11/21/56
Titer was $10^{-7.2}$ 10, 2 ml on 5/14/57 ~~difficult to~~ 4
use $10^{-4.9}$ (1:80,000) amp 3 ~~4~~ ~~Art~~

Tissue Cult media : T 301 f 1/28/58, medium (gassed
Gaulis + 2% calf serum added on
2/1/58. changed to gassed pH 7.5
Gaulis without calf serum before use

Mixture :

Tube D. 7g 2/11 2/13 2/15
2 4 6 8

und

1	0	0	0	0
2	0	0	0	0
3	0	0	0	0

und

4	0	0	0	0
5	0	0	0	0
6	0	0	0	0

und

7	2	4		
8	2	"		
9	3-4	"		

und

10	0	0	0	0
11	0	0	0	0
12	0	0	0	0

und

13	0	0	1-2	4/1
14	0	0	1	small patch left
15	0	0	1-2	4/1

und

16	4			
17	4			
18	2-3	4/1		

und

19	2-3	4/1		
20	2	4		
21	2-3	4		

und

22	0	0	0	0
23	0	0	0	0
24	0	0	0	0

Mixture

Tube ①

2/9 2/11 2/13 2/15

$\frac{2}{2}$ $\frac{4}{4}$ $\frac{6}{6}$ $\frac{8}{8}$

und	25	0	0	0	0
	26	0	4/11		
	27	0	4		
und	28	0	0	0	0
	29	0	0	0	0
	30	0	0	0	0
und	31	0	0	0	0
	32	0	0	0	0
	33	0	0-1	4/11	

Virus Titration $10^{-5.2}$

34	4
35	4
36	4

$10^{-6.2}$

37	2	4/11
38	0-1	"
39	2-3	"
40	1-2	"

$10^{-7.2}$

41	0	0	0	0
42	0	4/11		
43	0	"		
44	0	0	0	0

$$\frac{7.2}{10} / 0.2$$

$10^{-8.2}$

44a	0	0	0	0
44b	0	0	0	0
44c	0 ok	0 ok	0 ok	0 ok
44d	0	0	0	0

low TCD 50