

Capacity of Various

AUG 16 1951

Convalescent Sera

to Neutralize Another Strain of Virus Recovered
During Same Outbreak

Purpose - See questions in previous protocol
& Purpose stated in title above.

Procedure - Test 1 month, 8 month, and 3 year
[redacted] convalescent sera [redacted]
[redacted] virus
(See test of Apr. 6, 1951 for titer of virus)

Tube 1 -	[redacted]	sera of 10-6-47 -	1.1cc	+	1.1cc of virus	1:50
" 2 -	"	"	"	-	"	1:500
" 3 -	"	" of 5-13-48 -	"	+	"	1:50
" 4 -	"	"	"	-	"	1:500
" 5 -	"	" 6-3-50 -	"	+	"	1:50
" 6 -	"	"	"	-	"	1:500
" 7 -	Saline		1.1cc	+	1.1cc of "	1:500
" 8 -	"		1.1cc	+	1.1cc of "	1:5000

(the dilution 1:5000 made the next morning, just before inoculation).

- 1 hr. at room temp. and overnight in refrigerator
0.5cc into each of 4 monkeys.

AUG 17 1951

material	pk no	remarks	
I 1 mo serum H + R Virus 1:500 10 ⁻³	2338 2339 2340 2341	Killed negative P12 Dg histol. pos. OK - Acute Killed negative	2/4 X - X X
F 1 mo serum H + R Virus 1:50 10 ⁻²	2342 2343 2344 2345	Killed Negative P8 P6 (histol +) P7	3/4 X - X -
G 8 mo serum H + R Virus 1:500 10 ⁻³	2346 2347 2348 2349	Killed Killed P9 P7	2/4 X X - -
H 8 mo serum H + R Virus 1:50 10 ⁻²	2350 2351 2352 2353	P9 P9 T4 P13 histol neg. red dots.	3/3 - - X -
I 3 yr serum H + R Virus 1:500 10 ⁻³	2354 2355 2356 2357	P9 Killed P9 P10	3/4 - X -
K 3 yr serum H + R Virus 1:50 10 ⁻²	2358 2359 2360 2361	P7 (histol +) P5 (histol +) P8 P7	4/4 X X - -
L saline 4 + 10 R Virus 1:500 10 ⁻³	2362 2363 2364 2365	P13 P25 P10 P7	4/4 - - - -
M R saline + 10 ⁻³ Virus 1:500	2366 2367 2368 2291	P10 P7 Killed Histol pos. P9	4/4 - - X -
			NP - OK

1 mol serum + [redacted] virus 1: 500

Rh 2338

day	date	remarks
AUG 13	1951	1
" 22	5.	did not eat food. T 101.0. chloromycetin as prevention. feces OK.
Sept 16	29	killed for histology

1 ml of H. serum + [redacted] Virus 1:500

Rh 2339

date day remarks
AUG 18 1951 /

29	12	paralysis of hoppers (can sit but not stand)
30	13	the same.
31	14	" " Killed, discarded.

1 ml H serum + [redacted] virus 1: 500

Rh 2340

date	day	remarks
AUG 18 1951	1	
" 26	9	this morning dead in cage. CNS sections in Fentner.

1 ml H. serum + [redacted] Virus 1: 500

Rh 2341

date day remarks

AUG 18 1951 7

" 22 5 Did not eat his food. feces ok. T102. Chlamydiae as
prevention.

Sept 16 29 Killed for histology

1 mo H. serum + [redacted] Virus 1:50

Rh 2342

date	day	remarks
AUG 18 1951	1	
Sept 16		2g killed for histology

1 mo FL serum + [redacted] virus 1:50

RL 2343

date	day	remarks
AUG 18 1951	1	

Aug 25.	8	paralysis of upper and lower. Cannot sit or stand. killed for virus
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1 ml H serum + [redacted] virus 1:50

Rh 2344

date day remarks

AUG 18 1951

23

6 very prostrate. gives the impression of polio,
possible with bulbar symptoms.
Killed. Histology.

1 mo H serum [redacted] virus 1:50

Ph 2345

date day remarks

AUG 18 1951
27

7 paralysis of lower and upper. Can sit with difficulty.
Killed for virus.

8 mo. H. serum + [redacted] Virus 1: 500

Rh 2346

date	day	remarks
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AUG 18 1951

Sept 16	24	killed for histology.
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8 mo H. serum [redacted] virus 1: 500

Rh 2347

date	day	remarks
AUG 18 1951	1	
Sept 19	32	killed for virus.

22 81 241

8 mo. H. serum + [redacted] virus 1: 500

Feb. 2348

date day remarks
AUG 18 1951 /

26 9 partial paralysis of upper and lower
27 10 prostrate
28 11 killed, diseased.

8 mo. H. serum + [redacted] Virus 1: 500

Rh 2349

date day remarks

AUG 18 1951 !

24

]

weakened of livers - Breman of head.
Killed for virus.

Smo. H serum + [REDACTED] Virus 1: 50

Rh 2350

date	day	remarks
AUG 18 1951	1	
26	9	total paralysis of lowers
27	10	probable
28	11	killed, discarded.

8 mls. H. serum + [redacted] virus 1:50

Rh 2351

date day remarks

1951 21 2021

AUG 18 1951 /

25	8	somewhat clumsy - tremor when excited.
26	9	slight paralysis of lower
27	10	paralysis
28	11	killed, discarded.

8 mo H serum + [redacted] virus 1:50

Rh 2352

date	day	remarks
AUG 18 1951	1	
" 21	4	This morning dead in cage. Slight bloody faeces? around the anus. Section CNS in Renker.

Pathology: no gross lesions,
no bloody faeces.

Smear: no worm eggs!

Stool culture: P-21

Sh. flexneri III

P mo H. serum + [redacted] virus 1:50

Ph-2353

date day remarks
AUG 18 1951 7

30	12	definite weakness of lenses.			
31	14	"			
Sept 1	15	"	partial paralysis of lenses		
2	16	"	"	"	"
3	17	"	"	"	"
4	18	"	"	"	"
5	19	"	"	"	"
6	20	"	"	"	"
7	21	"	"	"	"

killed, discarded.

3 yr. H. serum + [redacted] virus 1: 500

Rh. 2354

date day remarks

AUG 18 1951 /

25	8	very nervous.
26	9	climacy - weakness lowers
27	10	more than yesterday
28	11	definite paralysis in lowers (can sit but not stand).
29	12	the same. killed .
30	13	" "
31	14	" " Killed, diseased.

3 yr. H. serum + [redacted] virus 1: 500

Rh 2355

date day remarks

AUG 18 1951

Sept 16 29 killed for histology

3 yr. fl. serum [redacted] virus 1: 500.

Rh. 2356

date day remarks.
AUG 18 1951 /

26 g partial paralysis of covers
27 10 the same
28 11 killed, dissected

3 yr. H. serum + [redacted] virus 1:500

Rh 2357

date day remarks

AUG 18 1951 /

25 ~~8~~ 0 very nervous.

26 9 " "

27 11 " " weakness curves

28 " killed, discarded.

3 yr H. serum + [redacted] virus 1:50

Rh 2358

date day remarks

AUG 18 1951 /

24 7

definite paralysis of left arm
killed for virus. piece of cervical enlargement in linker.

3 yr H. serum + [redacted] ans 1:50

RH 2359

date	day	remarks
AUG 18 1951	1	
" 22	5	Shieftunom: paralytic of upper and lower, cannot sit or stand.
23	6	prostrate. billed. sections CNS in tanker.

3 yr H. serum + [redacted] virus 1:50

Rb. 2360

date day remarks
AUG 18 1951 /

date	day	remarks
24	7	nervous - tremor head.
25	8	partial paralysis of lower. Can sit (difficult).
26	9	" " " " " "
27	10	the same
28	11	" " killed. Discarded.

3 yr H. serum + [redacted] virus 1:50

Rb. 2361

date	day	remarks
AUG 18 1951	1	
23	6	hemor of head.
24	7	Worse. Weak in lower, esp. left one.
25	8	partial paralysis of lower and left arm
26	9	the same
27	10	the same
28	11	" " Killed, discarded.

Saline + [redacted] virus 1: 5000

Rh 2362

date	day	remarks
AUG 18 1951	1	
30	13	definite weakness of lower.
31	14	partial paralysis of lower
Sept 1	15	ortho
2	16	"
3	17	"
4	18	"
5	19	"
6	20	"
7	21	" killed, dissected.

1951 31 JUL

Saline + [redacted] virus 1:5000

Rh. 2363

date day remarks.

AUG 18 1951

28 11

31 14

Sept 1 15

2 16

3 17

4 18

5 19

6 20

7 21

8 22

9 23

10 24

11 25 Perilysis of larvae + 1/2 dellink

12 26 " " " "

13 27 " " " "

14 28 perilysis. Killed discarded

Saline + [redacted] Virus 1: 5000

Rh. 2364

date day remarks
AUG 18 1951 /

27 10 partial paralysis of flowers
28 " wave. killed, discarded.

Sabie + [redacted] Virus 1: 5000

RA 2365

date day remarks
AUG 18 1951 7

24 7 definite paralysis of upper.
Killed for virus

Rh 2366

date	day	remarks
AUG 18 1951	1	

Sept 4	18	This morning: can not keep his balance, partial paral. of trunk muscles - hunch head.
5	19	Definite partial paralysis of loovers.
6	20	Worse (somewhat worse)
7	21	" Killed, discarded.

saline + [redacted] virus: 500

rh. 2367

date	day	remarks
AUG 18 1951	7	

24	7	weakness of lower - deltoid paralysis left. Killed for virus.
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saline + [redacted] virus 1: 500

Rh 2360

date	day	remarks
AUG 18 1951	✓	
Sept 19	32	killed for histology.

same + [redacted] virus 1: 500

Rh. 2291

date day remarks

AUG 18 1951 1

25 2 work in lowers.

26 3 definite partial paralysis of lowers

27 4 the same

28 5 " " killed, dissected