

FEB 1 1955

SPINAL VIRULENCE IN CYNOMOLGUS MONKEYS OF SPECIAL MAHONEY KP33, "48-9" Virus.

PURPOSE: This special derivative differs from the stock Mah KP33 in being derived from another terminal dilution tube of KP32 ~~in~~ (tube 48-9) which was devoid of spinal virulence for mice.

The virus used here ~~was~~ harvested 1/26/55 from 8 trypsinized monkey kidney tubes, 22 hrs. after being seeded with a large inoculum from tube "48-9".

6 days ago on 1/26/55 it was inoculated intraspinally into 40 mice (20 undil. + 20 10^{-1}). To-day 2 of the mice on undil. show weakness of one extremity.

Therefore it was decided to test this fluid for spinal virulence in monkeys & since only 4 conditioned cynomolgus monkeys were available they were inoculated with 0.1 ml of 10^{-1} culture fluid which was titered simultaneously in tissue culture. No traumatic paralysis - $10^{5.2} \text{ TCID}_{50} \text{ max.}$

Cynomolgus
No.

7473	P ₂
7474	K ₂₂
7475	P ₅ ; K ₂₂
7476	P ₂

Cyn 7473

DATE	DAY	REMARKS
FEB 1 1955	0	✓
2	1	✓
3	2	Partial paralysis right lower
4	3	Same
5	4	Same + weakness right left lower
6	5	Same
7	6	Same
8	7	Same
9	8	Same
10	9	"
11	10	"
12	11	"
13	12	"
14	13	"
15	14	"
16	15	"
17	16	"
18	17	"
19	18	"
20	19	"
21	20	"
22	21	"
23	22	"
24	23	" Sacrificed CNS in Kelly
25	24	
26	25	
27	26	
28	27	
MAR 1 1955	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	

Cyn 7474

DATE	DAY	REMARKS
FEB 1 1955	0	✓
	1	✓
	2	✓
	3	✓
	4	✓
	5	✓
	6	✓
	7	✓
	8	✓
	9	✓
	10	✓
	11	✓
	12	✓
	13	✓
	14	✓
	15	✓
	16	✓
	17	✓
	18	✓
	19	✓
	20	✓
	21	✓
	22	✓ Used for T.C. Cms in belly's
	23	
	24	
	25	
	26	
	27	
MAR 1 1955	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	

Egn 7475

DATE	DAY	REMARKS
	0	✓
	1	✓
	2	✓
	3	✓
	4	✓ Out for run - OK
	5	Extensors of toes of right foot paralyzed
	6	" " " " " "
	7	" " " " " + w/foot
	8	" " " " " "
	9	" " " " " "
	10	" " " " " "
	11	" " " " " "
	12	Partial paralysis right leg
	13	" " " " " "
	14	" " " " " "
	15	" " " " " "
	16	" " " " " "
	17	" " " " " "
	18	" " " " " "
	19	" " " " " "
	20	" " " " " "
	21	" " " " " "
	22	Smoke - Used for T. C. Bus in belly or
	23	
	24	
	25	
	26	
MAR 1 1955	27	
	28	
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	32	
	33	
	34	
	35	

Cyn 7476

DATE	DAY	REMARKS
FEB 1 1955	0	✓
	1	✓
	2	✓ OK AM; Partial paralysis right lower of 5 PM
	3	Extensive par. right lower; partial left lower
	4	Extensive paralysis right lower
	5	Same
	6	Same + weakness of back
	7	" + " "
	8	" " "
	9	" " "
	10	" " "
	11	" " "
	12	" " " - sits up better
	13	" " "
	14	" " "
	15	" " "
	16	" " "
	17	" " " sits up
	18	" " " "
	19	" " "
	20	" " "
	21	Same sits up
	22	"
	23	Sacrificed - CNS in Helly
	24	
	25	
	26	
	27	
MAR 1 1955	28	
	29	
	30	
	31	
	32	
	33	
	34	
	35	