The Propagation of Yellow Fever Virus in Mouse Testicle

Hugh H. Smith, Am. J. Trop. Med., 1938, 18, 77-84

Multip. in Testicles 17-D & French

"Young" male Swiss mice used

Virus Strains — French strain in form of infected monkey serum. Also Asibi, J.F. and AFB

Multiplication — highest concentration of virus (about 1×10^{-5}) found on 7th day (intervals of tests before 7th day not stated). Somewhat less on 8th and 9th days, and "very low" at end of 3rd week.

Virus consistently found at 21 days (although small amts) and on one occasion at 26 days.

Note — mice remained well; also little or no pathologic change in testicles.

Speaks of "technical difficulties" responsible for occasional misses and loss on passage.

40 -

30 -

20 -

10 -

0 -

JUN 13 1951

Multiplication of 1-7-D Yellow Fever Virus in Testicles of Adult Mice of PRI and Swiss Strains

Purpose – to determine whether the multiplication regulating factor which is present in the brains of PRI mice occurs also in the testis.

Virus Used – Lot of 1-18-51 – 10% mouse brain suspension in undil. rabbit serum. – See simultaneous intracerebral titration

Procedure – 0.03cc of 1% (i.e. 10^{-2} dilution) virus inoculated into each testis of both groups of mice.

3 days, 6 days, 9 days and 12 days after inoculation, 2 mice will be sacrificed from each group, both testes removed, ground in undiluted, heated rabbit serum and immediately titered for virus content from 10^{-1} to 10^{-7} – 5 mice per dilution.

PRI Mice – 0.03cc of 10^{-2} virus into each testis

	1	2	*3	4	5	*6	7	8	*9	10	11	*12	13	14	15	16	17	18	19	20	21	
1	–	–	–	}	Testicles removed + weighed (0.3 grams) – ground to 10% in NRS +																	
2	–	–	–	}	titered in same mix. Portion of 10% homogenate.																	BAP-000
3	–	–	–	–	–	–	}	Testicles removed + weighed (0.5 grams) – ground to 10% in NRS														
4	–	–	–	–	–	–	–	}	+ titered in Mayfield mix. Portion of 10% homogenate – BAP-000													
5	–	–	–	–	–	–	–	–	–	}	Testicles removed + titered in May alt. BAP-000											
8	–	–	–	–	–	–	–	–	–	}												
9	–	–	–	–	–	–	–	–	–	–	–	–	}	Testicle removed + titered in May alt. BAP-000								
10	–	–	–	–	–	–	–	–	–	–	–	–	}									
11	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
12	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
13	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
[redacted]	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
[redacted]	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	

Swiss Mice – 0.03 cc of 10^{-2} virus into each testis

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

1 – – – } Testicles removed + weighed (0.2 grams) + ground ± 1090 –
2 – – – } NRS. Titred in Swiss mice. Pasteur Inst. BAP.000
3 – – – } – – – – – – – – – – – – – – – – –
4 – – – – – – } Testicles removed + titred in Rat. albino – BAP.000
5 – – – – – }
6 – – – – – – – – } Testicles removed + titred in mouse alb. – BAP 000
7 – – – – – – – – }
8 – – – – – – – – – – } Testicles removed + titred in mouse alb. BAP.00
9 – – – – – – – – – – }
10 –
11 –
12 –
13 –
14 –
15 –
16 –
17 –
18 –
19 –

Isolation of 17-D Yellow Fever virus

JUN 13 1951

Virus - 17-D Yellow fever virus of 1/18/51 - 1090 in NRS.
dilution in 1090 NRS.

Mice - @ 8-10 gram W-Swiss mice.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-2}	1	-	-	-	-	-	(CNS)	P_n	D													
	2	-	-	-	-	-	?	P_n	D													
	3	-	-	-	-	-	?	PP	D													
	4	-	-	-	-	-	PP	P_n	D													
	5	-	-	-	-	-	(CNS)	P_n	D													
10^{-3}	1	-	-	-	-	-	-	P_n	P_n	D												
	2	-	-	-	-	-	-	(CNS)	P_n	D												
	3	-	-	-	-	-	-	(CNS)	PP	P_n	D											
	4	-	-	-	-	-	-	(CNS)	PP	P_n	D											
	5	-	-	-	-	-	-	(CNS)	(CNS)	P_n	D											
10^{-4}	1	-	-	-	-	-	-	W	PP	D												
	2	-	-	-	-	-	-	-	W	PP	P_n	D										
	3	-	-	-	-	-	-	-	W	PP	P_n	D										
	4	-	-	-	-	-	-	-	?	(CNS)	P_n	P_n	D									
	5	-	-	-	-	-	-	-	?	(CNS)	P_n	P_n	D									
10^{-5}	1	-	-	-	-	-	-	-	W	P_n	P_n	D										
	2	-	-	-	-	-	-	-	W	PP	P_n	D										
	3	-	-	-	-	-	-	-	?	PP	P_n	D										
	4	-	-	-	-	-	-	-	?	PP	P_n	P_n	D									
	5	-	-	-	-	-	-	-	?	(CNS)	PP	P_n	P_n	D								
10^{-6}	1	-	-	-	-	-	-	-	-	PP	D											
	2	-	-	-	-	-	-	-	-	-	W	P_n	D									
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	PP	P_n	P_n	D		
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	WP	PP	P_n	D		
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.9

JUN 16 1951

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS IN TESTICLES OF ADULT PRI MICE

TITRATION 3. DAYS AFTER INOCULATION

VIRUS - Testicles of 2 PRI mice, inoculated 6/13/51 ~ 0.03 cc (10^{-2}) of 17 D Yellow fever virus into each testicle, harvested & weighed (0.2 gms.) & ground to 10% in NRS. 2000 SN used in the titration. Dilutions in 10% ORSS. Portion of 10% page.

MICE - 8-10 gram Maxfield albino.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	0	EATEN														
	2	-	-	-	-	-	-	-	PPD												
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-2}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-3}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

OVER

Situation 3 Day PRI tactical (17-0 K.F.) JUN 16 1951

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-7} 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	·	·
2	-	-	-	·	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	·	·
3	-	-	-	·	·	-	·	-	-	-	-	-	-	-	-	·	-	-	-	-	·
4	-	-	-	·	·	-	·	·	-	·	·	-	-	-	-	·	·	-	·	·	·
5	-	-	-	·	·	-	·	·	·	·	·	·	-	-	-	·	-	-	-	-	·

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS IN TESTICLES OF ADULT W-SWISS MICE.

JUN 16 1951

TITRATION 3 DAYS AFTER INOCULATION

VIRUS - Testicles of 2 Swiss mice, inoculated 6/13/51 c 0.03cc of 10^{-2} 17-D Yellow fever virus into each testicle, harvested + weighed (0.2 grams) & ground to 10% in HBS. 2000 SN used in this titration. Dilution in 10% HBS. Portion of 10% frozen.

MICE - @ 3-4wk old W-Swiss.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	11
10^{-1}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-2}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-3}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	D																				
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TITRATION of 3 DAY SWISS TESTICLES. JUN 16 1951

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+

JUN 19 1951

Multiplication of 17-D Yellow Fever Virus in Testicles of Adult PRI Mice

Titration 6 Days After Inoculation

Virus – 4 testicles of 2 PRI mice, inoculated 6/13/51 ± 0.03cc (10^{-2}) of 17-D yellow fever virus into each testicle, harvested & weighed (0.5 grams) & ground to 10% in NRS. 2000 SN used in this titration. Dilution in 10% NRS. Portion of 10% frozen.

Mice – 8-10 gram mixed field albino

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	-	W	D													
	2	-	-	-	-	-	-	?	PP	D												
	3	-	-	-	-	-	-	?	P$_n$	D												
	4	-	-	-	-	-	-	-	END													
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-2}	1	D																				
	2	-	-	-	-	-	-	?	D													
	3	-	-	-	-	-	-	-	P	PP	D											
	4	-	-	-	-	-	-	-	?	WP	D											
	5	-	-	-	-	-	-	-	-	W	P$_n$	D										
10^{-3}	1	-	-	-	-	-	-	-	D													
	2	-	-	-	-	-	-	-	D													
	3	-	-	-	-	-	-	-	-	PP	D											
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	-	-	-	-	-	-	-	PP	P$_n$	D									
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.2

STANDARD B&P "NOTEAR"

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS
IN TESTICLES OF ADULT ~~W~~ - SWISS MICE

JUN 19 1951

TITRATION 6 DAYS AFTER INOCULATION

VIRUS - Testicles of 2 Swiss mice, inoculated 6/13/51 ⌀ 0.03cc (10^{-2}) of 17-D Yellow fever virus into each testicle, harvested & weighed (0.5 gms) & ground to 10% in NRS. 2000 SN used in this titration. Dilutions in 10% NRS.
Patient of 10% frozen.

MICE - 8 - 10 gms Swiss albino

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-2}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-3}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	MISSING												
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS IN TESTICLES OF ADULT PRI MICE

JUN 22 1951

TITRATION 9 DAYS AFTER INOCULATION

VIRUS - Testicles of 2 PRI mice, inoculated 6/13 c 0.03cc (10^{-2}) of 17-D yellow fever virus into each testicle, harvested + weighed (0.5 gms) + ground to 10% in NRS. 2000 SN used in this titration. Dilutions in 10% NRS. Portion of 10% frozen.

MICE - 8-10 gram Maxfield albino.

[redacted]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	(16)	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	-	-	[redacted]			-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-2}	1	-	-	[redacted]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-3}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	[redacted]	-	-	-	D													
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS IN TESTICLES OF ADULT W-SWISS MICE

KCL JUN 22 1951

TITRATION 9 DAYS AFTER INOCULATION

VIRUS - Testicles of 2 W-Swiss, inoculated 6/13 c 0.03cc (10^{-2}) of 17-D Yellow fever virus into each testicle, harvested & weighed (0.5 Gm.) & ground to 10% in NRS. 2000 SN used in this titration. Dilutions in 10% RSS. Portion of 10% frozen.

MICE - 8-10 gram mixed albino

* Testes flow & hit head-Stunned.

	1	2	3	4	5	6	7	8	9*	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	D						
	2	-	-	-	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-2}	1	-	-	D																	
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-3}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	D																	
	2	-	-	-	-	-	D														
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	D															
	2	-	-	-	-	-	D														
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

JUN 25 1951

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS IN TESTICLES OF ADULT PRI MICE

TITRATION 12 DAYS AFTER INOCULATION

VIRUS - 9 testicles of 2 PRI mice, inoculated 6/13/51 ē 0.03cc (10^{-2}) of 17-D Yellow fever virus into each testicle, harvested + weighed (0.5 gms) + ground to 10% in NRS. 2000 SN used in this titration. Dilutions in 10% NRS Patrick of 1090 fame.

MICE - 8-10 gram Swiss albino

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	-	D													
	2	-	-	-	-	-	-	PP	D												
	3	-	-	-	-	-	-	CNS	D												
	4	-	-	-	-	-	-	CNS	P_n	D											
	5	-	-	-	-	-	-	W	P_n	D											
10^{-2}	1	-	-	-	-	-	-	P_n	D												
	2	-	-	-	-	-	-	PP	D												
	3	-	-	-	-	-	-	P	P_n	D											
	4	-	-	-	-	-	-	CNS	P_n	D											
	5	-	-	-	-	-	-	CNS	P_n	P_n	D										
10^{-3}	1	-	-	-	-	-	-	PP	P_n	D											
	2	-	-	-	-	-	-	W	P_n	D											
	3	-	-	-	-	-	-	W	CNS	P_n	D										
	4	-	-	-	-	-	-	W	CNS	P_n	D										
	5	-	-	-	-	-	-	?	CNS	P_n	D										
10^{-4}	1	-	-	-	-	-	-	D													
	2	-	-	-	-	-	-	?	PP	D											
	3	-	-	-	-	-	-	?	PP	D											
	4	-	-	-	-	-	-	CNS	P_n	D											
	5	-	-	-	-	-	-	CNS	P_n	P_n	D										
10^{-5}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.5

STANDARD B&P "NOTEAR"

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS IN TESTICLES OF ADULT SWISS MICE

JUN 25 1951

TITRATION 12 DAYS AFTER INOCULATION

VIRUS - 9 testicles of 2 Swiss mice, inoculated 6/13/51 C.O.B. (10^{-2}) 9 17-D Yellow fever into each testicle, harvested & weighed (0.5 grams) + ground to 1090 – NRS. 2000 SN used in this titration. Dilution in 1090 RSS. Portion of 1090 frozen.

MICE – 8 - 10 gm Maxfield albino

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-2}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-3}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Multiplication of 17-D Yellow Fever Virus in Testicles of PRI + Swiss Mice

JUN 29 1951

Purpose - To determine the ability of this virus to multiply in the testicles of PRI + Swiss mice.

Virus - 17-D Yellow fever of 1/18/51 - 10% in NRS - 10^{-2} dilution prepared in 10% RSS for this test. - B-11-4

Methods - 0.03cc of 10^{-2} inoculated into each testis of the mice in the PRI + Swiss groups.

6 days after inoculation the testicles will be removed from the 6 mice in each group & ground in NRS & titered for virus content from 10^{-1} - 10^{-7}.

Mice - @ 6 wks old PRI ♂
@ 6 wk old W-Swiss ♂

17-D Yellow Fever

PRI mice - 0.03cc 10^{-2} into each testis

	1	2	3	4	5	6	
1	-	-	-	-	-	-	Testicles harvested 7/5/51. Weighed (1.2 gms) ground to 20% in NRS. Titered in mayfield mice for virus content
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	

W- Swiss mice - 0.03cc 10^{-2} into each testis

	1	2	3	4	5	6	
1	-	-	-	-	-	-	Testicles harvested 7/5/51. Weighed 1.0 gm ground to 20% in NRS. Titered in mayfield mice 10^{-1} - 10^{-7}
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	

TITRATION OF 17-D YELLOW FEVER FROM TESTICLES OF PRI MICE

JUL 5 1951

6 days

VIRUS - Testicles of 6 PRI mice, inoculated ± 0.03 cc of (10^{-2}) 17-D Yellow fever into test 6/29/51, removed 7/5/51 (6 days after inoculation) + weighed (1.2 grams) + ground to 20% in NRS. - BAP-000 Dilution in 10% RSS of 2000 SN for this test. Portion page.

MICE - 8-10 gm Mayfield albino

17-D Yellow fever from PRI testicles

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	-	W	Pn	D												
	2	-	-	-	-	-	-	?	Pn	D												
	3	-	-	-	-	-	-	?	PP	Pn	D											
	4	-	-	-	-	-	-	-	(N)	(N)	D											
	5	-	-	-	-	-	-	-	(N)	(N)	Pn	D										
10^{-2}	1	(D)																				
	2	-	-	-	-	-	-	-	D													
	3	-	-	-	-	-	-	-	(N)	D												
	4	-	-	-	-	-	-	-	(N)	PP	D											
	5	-	-	-	-	-	-	-	(N)	(N)	D											
10^{-3}	1	-	-	-	-	-	(D)															
	2	-	-	-	-	-	-	-	PP	Pn	D											
	3	-	-	-	-	-	-	-	PP	Pn	D											
	4	-	-	-	-	-	-	-	-	PP	D											
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-4}	1	-	-	-	-	-	-	-	W	PP	D											
	2	-	-	-	-	-	-	-	-	-	PP	D										
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	(D)																				
	2	-	-	-	(D)																	
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	(D)															
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

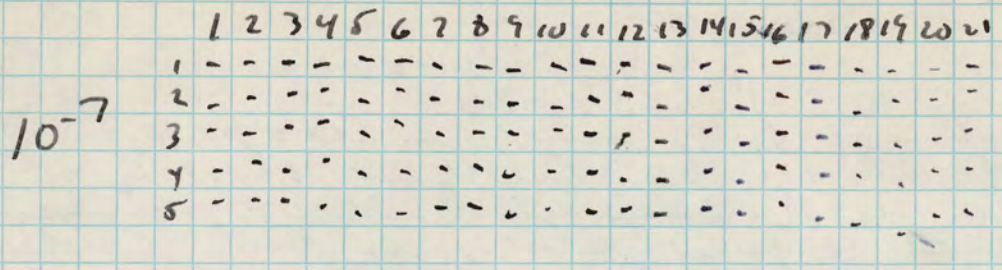
3.8

OVER

STANDARD B&P "NOTEAR"

17-D from PRI Technika

JUL 5 1951



10^{-7}

TITRATION OF 17-D YELLOW FEVER FROM TESTICLES OF W-SWISS MICE

JUL 5 1951

6 days.

VIRUS - Testicles of 6-W-Swiss mice, inoculated ± 0.03cc (10^{-2}) of 17-D Yellow fever into each testicle 6/29/51, removed 7/5/51 (6 days after inoculation) & weighed (1.0 grams) + ground to 20% in NRS. - BAP-OD
Dilutions in 10% NRS of 3000SN for the test. Portion type

MICE - 8-10 gm mayfield albino

17-D YELLOW FEVER FROM W-SWISS TESTICLES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	·	-	-	PP	D													
	2	-	-	-	-	-	(N)	PP	D												
	3	-	-	-	-	-	(N)	(N)	D												
	4	-	-	-	-	-	?	(N)	P_n	D											
	5	-	-	-	-	-	-	(N)	PP	P_n	D										
10^{-2}	1	-	-	-	-	-	-	D													
	2	-	-	-	-	-	-	(N)	PP	D											
	3	-	-	-	-	-	-	(N)	(N)	D											
	4	-	-	-	-	-	-	(N)	(N)	PP	D										
	5	-	-	-	-	-	-	(N)	(N)	PP	D										
10^{-3}	1	-	-	-	-	-	-	PP	D												
	2	-	-	-	-	-	-	(N)	PP	D											
	3	-	-	-	-	-	-	?	(N)	P_n	D										
	4	-	-	-	-	-	-	?	(N)	P_n	D										
	5	-	-	-	-	-	-	-	?	(N)	PP	D									
10^{-4}	1	-	-	-	-	-	-	P_n	D												
	2	-	-	-	-	-	-	?	(N)	P_n	D										
	3	-	-	-	-	-	-	-	(N)	P_n	D										
	4	-	-	-	-	-	-	-	?	P_n	D										
	5	-	-	-	-	-	-	-	-	PP	P_n	D									
10^{-5}	1	-	-	-	-	-	-	D													
	2	-	-	-	-	-	-	-	W	PP	D										
	3	-	-	-	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.8

17-D Yellow fever from W-SWISS tick tube

JUL 5 1951

10^{-7}

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

JUL 24 1951

MULTIPLICATION OF 17-D YELLOW FEVER VIRUS IN TESTICLES OF PRI & SWISS MICE
9 days after inoculation

PURPOSE - To determine level of virus 9 days after inoculation into testicles of PRI & Swiss mice.

VIRUS - 17-D Yellow fever of 1/18/51 - 10% in NRS. - B-11-4
10^{-2} dilution prepared in 10% RSS for this test

PROCEDURES - 0.03cc of 10^{-2} inoculated into each testis of the mice in the PRI & Swiss groups.

9 days after inoculation the testicles will be removed from the 6 mice in each group, ground to 10% in NRS & titered for virus content from 10^{-1} - 10^{-7}.

MICE - @ 6 wk old PRI ♂
@ 6 wk old W-Swiss ♂

PRI MICE - 0,03cc 10^{-2} into each testis

17-D YELLOW FEVER

	1	2	3	4	5	6	7	8	9
1	-	-	-	-	·	-	-	-	-
2	-	-	-	·	-	-	-	-	·
3	-	-	-	·	·	-	-	-	-
4	-	-	-	·	-	-	-	-	-
5	-	-	-	·	·	-	-	-	-
6	-	-	-	·	·	-	-	-	·

Harv 8/2/51 - ground as 10% & titered in W-Swiss
BAP 000

W-SWISS MICE - 0,03cc 10^{-2} into each testis

	1	2	3	4	5	6	7	8	9
1	-	-	-	-	·	-	-	-	-
2	-	-	-	-	·	-	-	-	-
3	·	-	-	·	·	-	-	-	-
4	·	-	-	·	·	-	-	-	-
5	-	-	·	·	·	-	-	-	-
6	·	-	-	·	·	-	-	-	-

Harv 8/2/51 - ground as 10% & titered in W-Swiss
BAP 000

Titration of 17-D Yellow Fever Virus
from 9 day PRI Testicle

AUG 2 1951

PURPOSE - To determine the level of multiplication of 17-D yellow fever in PRI mouse testicles 9 day after inoculation.

VIRUS - Testicles of 6 PRI mice, inoculated 7/24/51 ⊇ 17-D Yellow fever (11/18/51) - 0.03cc 10^{-2} into each testicle, harvested + weighed (1.3 gms). Testicles ground to 10% in NRS + 2.000 SN titered.

MICE - 3-4 wk old W-Swiss.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	·	-	-	?	D														
	2	-	-	·	-	-	?	D														
	3	-	-	·	-	-	?	CNS	D													
	4	-	-	·	-	-	-	CNS	D													
	5	-	-	·	-	-	-	CNS	PP	D												
10^{-2}	1	-	-	·	-	-	-	PP	PP	D												
	2	-	-	·	-	-	-	PP	D													
	3	-	-	·	-	-	-	PP	D													
	4	-	-	·	-	-	?	PP	PP	D												
	5	-	-	·	-	-	-	PP	Pn	D												
10^{-3}	1	-	-	·	-	-	-	-	D													
	2	-	-	·	-	-	-	-	CNS	D												
	3	-	-	·	-	-	-	-	PP	D												
	4	-	-	·	-	-	-	-	PP	Pn	D											
	5	-	-	·	-	-	-	-	P	Pn	D											
10^{-4}	1	-	-	·	-	-	-	PP	D													
	2	-	-	·	-	-	-	-	-	(CN)	Pn	D										
	3	-	-	·	-	-	-	-	-	W	PP	Pn	D									
	4	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	1	-	-	·	D																	
	2	-	-	·	-	-	-	-	-	D												
	3	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.2

Titration of 17-D Yellow Fever Virus from 9 day W-Swiss Testicles

AUG 2 1951

PURPOSE - To determine the level of multiplication of 17-D Yellow Fever in W-Swiss mouse testicles 9 days after inoculation.

VIRUS - Testicles of 6 ~~WS~~ WSS mice, inoculated 7/24/51 with 17-D Yellow Fever (1/18/51) - 0.03cc of 10^{-2} into each testicle, harvested + weighed (1.6grams), Testicles ground to 10% in NRS + 2000 SH titrated.

MICE - 3-4 wk old W-Swiss

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	-	-	?	P		D												
	2	-	-	-	-	-	W	Pn	D													
	3	-	-	-	-	-	W	PP	Pn	D												
	4	-	-	-	-	-	-	W	Pn	D												
	5	-	-	-	-	-	-	?	?	Pn	D											
10^{-2}	1	-	-	-	-	-	W	D														
	2	-	-	-	-	-	W	D														
	3	-	-	-	-	-	?	D														
	4	-	-	-	-	-	?	D														
	5	-	-	-	-	-	-	Pn	D													
10^{-3}	1	-	-	-	-	-	W	D														
	2	-	-	-	-	-	W	D														
	3	-	-	-	-	-	-	Pn	D													
	4	-	-	-	-	-	?	PP	D													
	5	-	-	-	-	-	-	CNS	D													
10^{-4}	1	-	-	-	-	-	-	W	Pn	D												
	2	-	-	-	-	-	-	CNS	D													
	3	-	-	-	-	-	-	-	CNS	D												
	4	-	-	-	-	-	-	-	CNS	P	PP	PP	D									
	5	-	-	-	-	-	-	-	-	-	P	-	? CNS	CNS	(CNS)	CNS	D					
10^{-5}	1	-	-	-	-	-	-	CNS	P	D												
	2	-	-	-	-	-	-	-	PP	D												
	3	-	-	-	-	-	-	-	PP	D												
	4	-	-	-	-	-	-	-	?	D												
	5	-	-	-	-	-	-	-	-	Pn	D											
10^{-6}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

5.5

JUN 29 1951

MULTIPLICATION OF FRENCH NEUROTROPIC YELLOW FEVER IN TESTICLES OF PRI & SWISS MICE

PURPOSE - To determine the ability of this virus to multiply in the testicles of PRI & SWISS MICE.

Pass 253

VIRUS - French neurotropic yellow fever virus 5/4/51 - 20% in NRS. Diluted 10^{-2} - 10% NRS for the test. - B-1-1

METHOD - 0.03cc of 10^{-2} inoculated into each testis of the mice in the PRI & SWISS groups.

6 days after inoculation the testicles will be removed from the 6 mice in each group, ground in NRS & titered for virus content from 10^{-1} - 10^{-7}.

MICE - @ 6 wk old PRI ♂
@ 6 wk old W-SWISS ♂

FRENCH NEUROTROPIC PRI MICE - 0.03cc 10^{-2} into each testicle

	1	2	3	4	5	6	
1	-	-	-	-	-	-	Testicles removed 7/5/51. Weighed 1.2 gm. Ground to 20% in NRS. Titered in mouse mice
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	

W-SWISS MICE - 0.03cc 10^{-2} into each testicle

	1	2	3	4	5	6	
1	-	-	-	-	-	-	Testicles removed 7/5/51. Weighed 1.2 gm. Ground to 20% in NRS. Titered in mouse mice.
2	-	-	-	-	-	-	
3	-	-	-	-	-	-	
4	-	-	-	-	-	-	
5	-	-	-	-	-	-	
6	-	-	-	-	-	-	

TITRATION OF FRENCH NEUROTROPIC YELLOW FEVER FROM TESTICLES OF PRI MICE

JUL 5 1951

VIRUS - Testicle of 6 PRI mice, inoculated ± 0.03cc 9/10^{-2} French neurotropic yellow fever 6/29/51, removed + weighed (1.2 gms) + ground to 20% in NRS. - Dilutions in 10% NRS. Portion of 2000SN page BAP-00

MICE - 8-10 gm Swiss albino

6 days

FRENCH NEUROTROPIC YELLOW FEVER FROM PRI TESTICLES

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	CNS	D																
	2	-	-	-	CNS	D																
	3	-	-	-	CNS	D																
	4	-	-	-	?	P_n	D															
	5	-	-	-	-	CNS	D															
10^{-2}	1	-	-	-	-	D																
	2	-	-	-	-	D																
	3	-	-	-	-	D																
	4	-	-	-	-	D																
	5	-	-	-	-	D																
10^{-3}	1	-	-	-	-	D																
	2	-	-	-	-	CNS	D															
	3	-	-	-	-	CNS	D															
	4	-	-	-	-	CNS	D															
	5	-	-	-	-	CNS	D															
10^{-4}	1	-	-	-	-	D																
	2	-	-	-	-	D																
	3	-	-	-	-	CNS	D															
	4	-	-	-	-	CNS	D															
	5	-	-	-	-	CNS	D															
10^{-5}	1	-	-	-	-	CNS	D															
	2	-	-	-	-	?	D															
	3	-	-	-	-	-	D															
	4	-	-	-	-	-	P_n	D														
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	-	?	-	-	D												
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

5.5

TITRATION OF FRENCH NEUROTROPIC YELLOW FEVER FROM TESTICLES OF W-SWISS MICE

JUL 5 1951

VIRUS – Testicles of 6 W-Swiss mice, in solution = 0.03cc of 10^{-2} French neurotropic Yellow fever virus 6/29/51, ground + weighed (1.2 grams) + ground to 2090 in NRS. 3000 SN used, Partington. BAP-00

MICE – B-10 Gram Mayfield albino. 6 days

FRENCH NEUROTROPIC YELLOW FEVER FROM W-SWISS TESTICLES

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	1	-	-	-	(CNS)	D																
	2	-	-	-	(CNS)	D																
	3	-	-	-	?	D																
	4	-	-	-	-	D																
	5	-	-	-	-	(CNS) D																
10^{-2}	1	-	-	-	-	D																
	2	-	-	-	-	D																
	3	-	-	-	-	D																
	4	-	-	-	-	D																
	5	-	-	-	-	D																
10^{-3}	1	-	-	-	-	D																
	2	-	-	-	-	D																
	3	-	-	-	-	D																
	4	-	-	-	-	(CNS) D																
	5	-	-	-	-	(CNS) D																
10^{-4}	1	-	-	-	-	D																
	2	-	-	-	-	D																
	3	-	-	-	-	D																
	4	-	-	-	-	(CNS) D																
	5	-	-	-	-	? D																
10^{-5}	1	-	-	-	-	? D																
	2	-	-	-	-	- D																
	3	-	-	-	-	- (CNS) D																
	4	-	-	-	-	- (CNS) D																
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	1	-	-	-	-	- D																
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	D
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	5	-	-	-	MISSING																	

5.5

Repeat Test on Multiplication of French Neurotropic Yellow Fever Virus in ~~RRX~~ Testicles of PRI and Swiss Mice

Purpose: In the preceding test, the titer of the virus 6 days after inoculation was $10^{-5.5}$ in both PRI & Swiss Mice. Determine whether there actually is no difference in the intratesticular multiplication of this virus in both types of mice.

Virus Used: Passage 253, Preparation of 5/4/51 (13-1-1) same as used in previous tests.

Inoculum — 0.03 cc of 10^{-2} in each testis

Mice — Approximately 8 week old PRI and Webster Swiss bred here.

Procedure — Sacrifice 6 mice of each group, 6 & 9 days after inoculation remove both testicles from each — pool & titrate in Swiss mice

Intratesticular Mice

NW 28 29 30/1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

PRI

1 - - - - - -
2 - - - - - -
3 - - - - - -
4 - - - - - -
5 - - - - - -
6 - - - - - -

6 mice killed on Dec. 3 (6th day after inoc.). Testicles removed, ground with NRS to a 20% suspension. Titration in mice. See sheet

7 - - - - - - - -
8 - - - - - - - -
9 - - - - - - - -
10 - - - - - - - -
11 - - - - - - - -
12 - - - - - - - -

6 mice killed on Dec 6 (9th day after inoc.). Testicles removed, ground with N.R.S. to a 20% susp. Titration in mice, see sheet.

13 -
14 -
15 -
16 -

Swiss

1 - - - - - -
2 - - - - - -
3 - - - - - -
4 - - - - - -
5 - - - - - -
6 - - - - - -

6 mice killed on Dec. 3 (6th day after inoc.). Testicles removed, ground with N.R.S. to a 20% suspension. Titration in mice, see sheet.

7 - - - - - - - -
8 - - - - - - - -
9 - - - - - - - -
10 - - - - - - - -
11 - - - - - - - -
12 - - - - - - - -

6 mice killed on Dec 6. (9th day after inoc.) Testicles removed, ground with N R S to a 20% susp. Titration in mice, see sheet.

13 -
14 -
15 -

(over)

Intracerebral Controls – Also Passage 254

Swiss Male Mice – @ 8 weeks old – 0.03cc i.cer.

	1	2	3	4	5	6	7	8
1	-	.	–	D				
2	-	-	–	CNS				
3	-	.	–	"				
4	-	-	–	"				
5	-	-	–	?				
6	-	.	–	?				
7	-	.	–	?				
8	-	-	–	?				
9	-	.	–	?				
10	-	-	–	?				
11								
~~12~~								
~~13~~								
~~14~~								

Dec. 1, 1951 – 9 brains removed. Ground in 18cc of undiluted rabbit serum. Centrifuged

BAP 1 – 08 COLONIES
" 2 – 09 "

Distributed ¢ in @ 1cc amts in amps & frozen in B-1-1

12/4 – a sm. amt. of virus from 1 ampule was plated on 2 B.A.P.

B.A.P. 1 – 03 COLONIES
BAP 2 – 04 COLONIES

A colony from BAP 1 of the first set of plates was plated in or on the following in an effort to identify it.

Brilliant Green Agar plate – no growth
E.M.B. – growth with metallic sheen
LACTOSE – acid produced but no gas.
T.S.I. – acid "
Gram stain – gram – short rods.

From these results it is likely we deal with a member of the paracolon group.

(Continued of Nov. 27)

Dec. 3, 1951.

Dec 3: 6 PRI mice and 6 Swiss mice, infected intratesticularly on Nov. 27 with the French neurotropic yellow fever virus, killed today, on 6th day after inoculation. Testicles removed. Weight of each group of 6 x 2 testicles = 1.8 gram. Ground in a mortar with aluminum and Normal Rabbit Serum to a 20% suspension. Centrifuged 10 min. 1500 r.p.m. B.A.P: from PRI testicles sterile, from Swiss testicles: a few colonies of gram negative rods.

Made 10 fold dilutions with 10% NRS-Saline 10^{-1} - 10^{-7} (pipets changed for each dilution)

Remainder stored in B 1-3.

With each dilution are inoculated, intracerebrally groups of 5 Mt Sinai white mice, 8-10 grams, 0.03 cc for each mouse. During inoculation the virus dilutions are kept in ice water.

Virus testicle suspension from PRI mice (killed on 6th day after inoc.). †Autopsy in Mayfield mice

December day	4 1	5 2	6 3	7 4	8 5	9 6	10 7	11 8	12 9	13 10	14 11	15 12	16 13	17 14	18 15	19 16	20 17	21 18	22 19	23 20	24 21
10^{-1}	-	-	-	CNS	D																
	-	-	-	CNS	D																
	-	-	-	-	D																
	-	-	-	-	CNS	D															
	-	-	-	-	S	D															
																					0/5
10^{-2}	-	-	-	-	CNS	D															
	-	-	-	-	S	D															
	-	-	-	-	S	D															
	-	-	-	-	S	PI															
	-	-	-	-	S	CNS	I														
																					0/5
10^{-3}	-	-	-	-	S	D															
	-	-	-	-	S	D															
	-	-	-	-	S	D															
	-	-	-	-	S	D															
	-	-	-	-	S	CNS	I														
																					0/5
10^{-4}	-	-	-	-	-	?	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																					0/5
10^{-5}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																					0/5
10^{-6}	-	-	-	-	-	-	-	-	-	-	-	-	-	S	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																					0/5
10^{-7}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																					0/5

$10^{-3.5}$ Titer $10^{-3.5}$

Virus testicel suspension from Swiss mice (killed on 6th day after inoc.). Titration in Mansfeld mice.

Dec.	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	-	-	-	D																	
	-	-	-	CNS	D																
	-	-	-	CNS	D																
	-	-	-	CNS	D																
	-	-	-	?	D																
10^{-2}	-	-	-	D																	
	-	-	-	CNS	D																
	-	-	-	?	CNS	D															
	-	-	-	-	S	D															
	-	-	-	-	S	D															
10^{-3}	-	-	-	-	D																
	-	-	-	-	D																
	-	-	-	-	CNS	D															
	-	-	-	-	CNS	D															
	-	-	-	-	S	D															
10^{-4}	-	-	-	-	S	D															
	-	-	-	-	-	CNS	D														
	-	-	-	-	-	CNS	D														
	-	-	-	-	-	S	D														
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	-	-	D																		
	-	-	-	-	-	-	D														
	-	-	-	-	-	-	D														
	-	-	-	-	-	-	CNS	D													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	-	-	-	-	-	-	-	-	-	-	S	D									
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Nonspecific! why

10^{-5}: 4/5 → 3/4

10^{-6}: 0/4 → 1/5

10^{-7}: 0/5

x) precipitins anti

Titer = $10^{-5.2}$

	5	0		0		
	4	1		8	1	
10^{-5}	3	1		4	2	4/6 = 66.7%
	1	4		1	6	1/7 = 14.3
10^{-6}	0	5		0		16.7
						52.4

$10^{-5.3}$

Continued of Nov. 27 and Dec. 3. Dec. 6 1951.

The same test as done on Dec 3 but now the PBI and Swiss mice, injected intracisternally, are killed 9 days after infection.

Remainder of the 20% susp. stuck in B 1-3. B.A.P: 1 0

French neurotropic

Virus tested susp. from PBI mice (killed on 9th day after inoc.) titration in Manfield mice.

Dec.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
10^{-1}	-	-	D																		
	-	-	-	?	D																
	-	-	-	-	D																
	-	-	-	-	CNS	D															
	-	-	-	-	-	CNS	D														
10^{-2}	-	-	-	-	CNS	D															
	-	-	-	-	CNS	D															
	-	-	-	-	CNS	D															
	-	-	-	-	-	CNS	D														
	-	-	-	-	-	?	CNSpr	D													
10^{-3}	-	-	S	D																	
	-	-	-	-	CNS	D															
	-	-	-	-	CNS	D															
	-	-	-	-	PP	D															
	-	-	-	-	?	D															
10^{-4}	-	-	-	-	-	D															
	-	-	-	-	-	S	D														
	-	-	-	-	-	-	S	D													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-5}	-	-	-	-	-	PP	P	D													
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-6}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10^{-7}	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

10^{-1}: 5/5

10^{-2}: 5/5

10^{-3}: 5/5

10^{-4}: 3/5

10^{-5}: 1/5

10^{-6}: 0/5

10^{-7}: 0/5

Wlm = $10^{-4.3}$

Vinculin susp. from Swiss mice (killed on 9th day after inj.).

Dec.	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

10^{-1} — 5/5

? – – – D
– – – – CNS D
– – – – CNS CNS D
– – – – ? CNS D
– – – – – pp pp D

10^{-2} — 5/5

– – D
– – S CNS D
– – S ? D
– – – – CNS D
– – – – – CNS CNS D

10^{-3} — 5/5

– – – CNS D
– – – – D
– – – – CNS ENS p D
– – – – ? pp D
– – – – – CNS D

10^{-4} — 4/5 — 4/5

– – – – D
– – – – – D
– – – – – pp D
– – – – – pp D
– – – – – – – – – – – – – – –

10^{-5} — 3/5 — 3/5

– – – – – – D
– – – – – – pp D
– – – – – – – – D
– – – – – – – – – – – – – – –
– – – – – – – – – – – – – – –

10^{-6} — 1/5 — 1/5

– – – – – – pp pp D
– – – – – – – – – – – – – – –
– – – – – – – – – – – – – – –
– – – – – – – – – – – – – – –

10^{-7} — 1/5 — 1/5

– – – – – hunch back D
– – – – – – – S – – S – – – S – –
– – – – – – – S – – S – – – S – –
– – – – – – – S – – S? – – – – –
– – – – – – – S – – – – – – – –

4 lin

$10^{-5.5}$ ~~10~~

$10^{-5.3}$

5 0
4 1
5 3 2

14 0
9 1
5 3

5/8

6 1 4
1 4

2 7
1

2/9

62.5
22.2
40.3

12.5
40.3

Summary of Virus Multiplication in Mouse Testis

Valid Tests Only – Pools of testes from 6 mice

Strain of Virus	Days after inocul.	PR1	Swiss	
17-D	6	3.8	4.8	1
	9	4.2	5.5	1.3
French Neurotropic	6	5.5	5.5	
	6			
	9			