Diary
106

PLASMOCID IN MICE.

Exp.	DATE	DRUG / 100 GM DIET	BASE / 100 GM DIET	DAILY AMOUNT OF BASE EACH MOUSE (@)
I	8-10-48	250 mg (52.8%B)	132.0.-	0.396 mg - 0.40
II	9-2-48	400 mg (52.8%B)	211.2.-	0.6336 mg - 0.63
V	12-17-48	312 mg (80% B)	250.0	0.75 mg. - 0.75
VI			500.0	1.50 mg - 1.50
VII		312 mg (80.1%B)	250.0.	0.75 mg - 0.75

Inoculum (Exp. I, 8-10-48)

" Virus challenge. [redacted] Virus (Pool III of 7/6/48 - LD50 titer à $10^{-3.4}$) in 1:50 dilution in saline (i.e. à 50 LD50) "

(*) Each mouse got à 3 GM food a day -

DAILY FEED PLASMOCID IN MICE

DEC. 17 = 12.5 GM in each dishe (ABCDEF) EXP. VI

DEC. 18		GM EATEN	GM REMAIN		AVERAGE MOUSE EATEN POWDER
BOX	A	56	69	4.6	5.3 GM
	B	55	70		
	C	49	76		
	D	52	73	5.2	
	E	53	72		
	F	53	72		

DEC. 19					AVERAGE DAILY
BOX	A	34	35	3.8	3 GM
	B	35	35		
	C	36	40		
	D	27	46	2.6	
	E	22	50		
	F	30	42		

Note: At Dec. 17-18, dishes were plenty and the animals PROBABLY through out more powder than they did at 12/18-12/19, when eated at semi empty dishes.

DEC.20 _ average mouse Box A: 1.8 GM.—
Average mouse Box D: 2.1 GM.—

DEC. 21_ Average mouse B. A: 2.0 GM.—
Average mouse B. D: 2.0 GM.—

1/6/49: MONKEYS: P: 5, 6, 7, 9, 9 (CONTROLS)

1/7/49: Procain Penicillin: 10 cajas de 1.500.000. U (sueltos)
" " 10 " " " " in caja.

Total: 20 vials. ——

1184 — 3.3975 × 24 = 81.5400

6 mg. 3.3975 × 6 = 20.3850 mg

12 mg. 40.77 mg

9 AM, 3 PM } 2.04 cc

9 PM: 4.08 c.c.

1185 — 3.96375 × 12 = 47.56500

3.96375 × 12 = 47.56500

÷ 3 = 2.38 cc

9 PM: 4.76 cc.

1186 — 2.4915 × 6 = 14.9490 → 1.49 cc

29.8980 → 2.99 cc

1187 — 4.3035 × 6 = 25.8210 → 2.58 cc

51.6420 → 5.16 cc

1188 — 3.05775 × 6 = 18.34650 → 1.83 cc

36.69300 → 3.67 cc

1189 — 3.624 × 6 = 21.744 → 2.17 cc

43.488 → 4.35 cc

1190 — 3.171 × 4 = 12.684 → 1.27 cc

25.368 → 2.54 cc

1191 — 2.718 × 4 = 10.872 → 1.09 cc

21.744 → 2.17 cc

1192 — 2.4915 × 4 = 9.9660 → 0.97 c.c.

19.9320 → 1.99 cc

1193 — 2.5368 × 4 = 10.1472 → 1.01 cc

20.2944 → 2.03 cc

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(1)12/45 1076 ÷ 10 = 2 1089 10⁻¹ 1077

1194 — 2.5368 × 4 = 10.1472 → 1.01 c.c.
20.2944 → 2.03 c.c.

1195 — 3.05775 × 4 = 12.23100 → 1.22 c.c.
24.46200 → 2.45 c.c.

1196 — 2.60475 × 4 = 10.41900 → 1.04 c.c.
20.83800 → 2.09 c.c.

1197 — 2.0385 × 4 = 8.1540 → 0.81 c.c.
16.3080 → 1.63 c.c.

1198 — 2.60475 × 4 = 10.41900 → 1.04 c.c.
20.83800 → 2.08 c.c.

1199 — 2.265 × 4 = 9.060 → 0.90 c.c.
18.120 → 1.81 c.c.

1200 — 2.83125 × 4 = 11.32500 → 1.13 c.c.
22.65000 → 2.26 c.c.

1201 — 2.4915 × 4 = 9.9660 → 1.00 c.c.
19.9320 → 1.99 c.c.

1202 — 2.37825 × 4 = 9.51300 → 0.95 c.c.
19.02600 → 1.90 c.c.

1203 — 2.4915 × 4 = 9.9660 → 1.00 c.c.
19.9320 → 1.99 c.c.

1204 — 2.15175 × 4 = 8.60700 → 0.86 c.c.
17.21400 → 1.72 c.c.

1205 — 1.92525 × 4 = 7.70100 → 0.77 c.c.
15.40200 → 1.54 c.c.

1206 — 2.0385 × 4 = 8.1540 → 0.82 c.c.
16.3080 → 1.63 c.c.

1207 — 3.171 × 4 = 12.684 → 1.27 c.c.
25.368 → 2.54 c.c.

1208 — 2.9445 × 4 = 11.7780 → 1.18 c.c.
23.5560 → 2.36 c.c.

1068 — 1.812 × 4 = 7.248 → 0.72 c.c.
14.496 → 1.45 c.c.

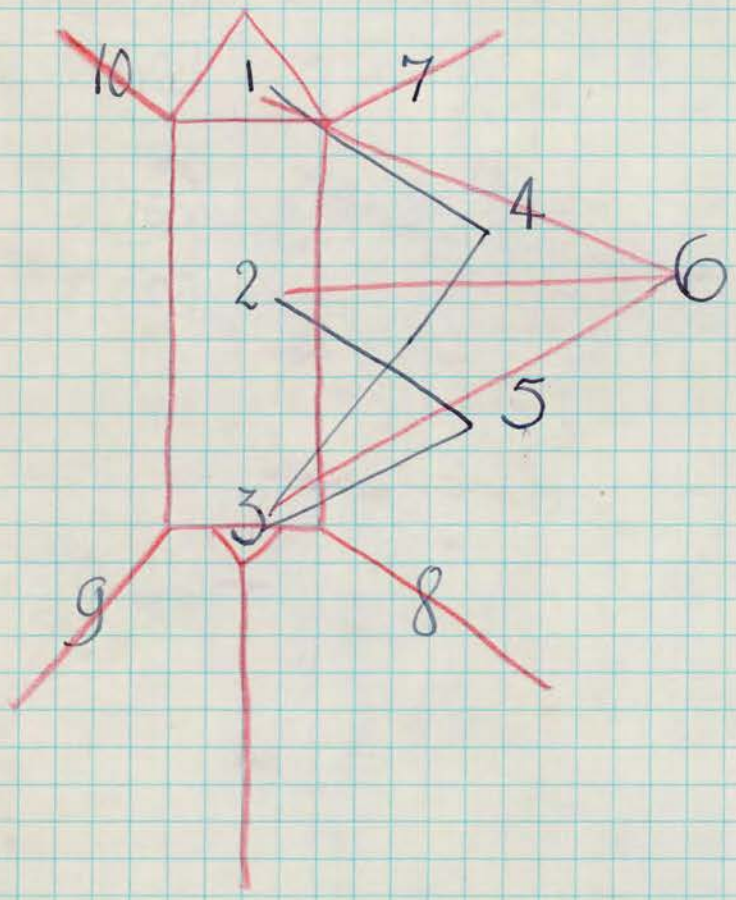
DRUGS

1/7/49 – Plasmocid: 7.4 GM. –
Isoplasmocid: 26 – GM. –

1/10/49 – 312 mg Plasmocid drug to MICE's feeding exp. V

— MICE CODE —

1 _ Head.
2 _ Back.
3 _ Tail.
4 _ Head and tail.
5 _ Back and tail.
6 _ Head, back and tail.
7 _ Right fore leg.
8 _ Right hind leg.
9 _ Left hind leg.
10 _ Left fore leg

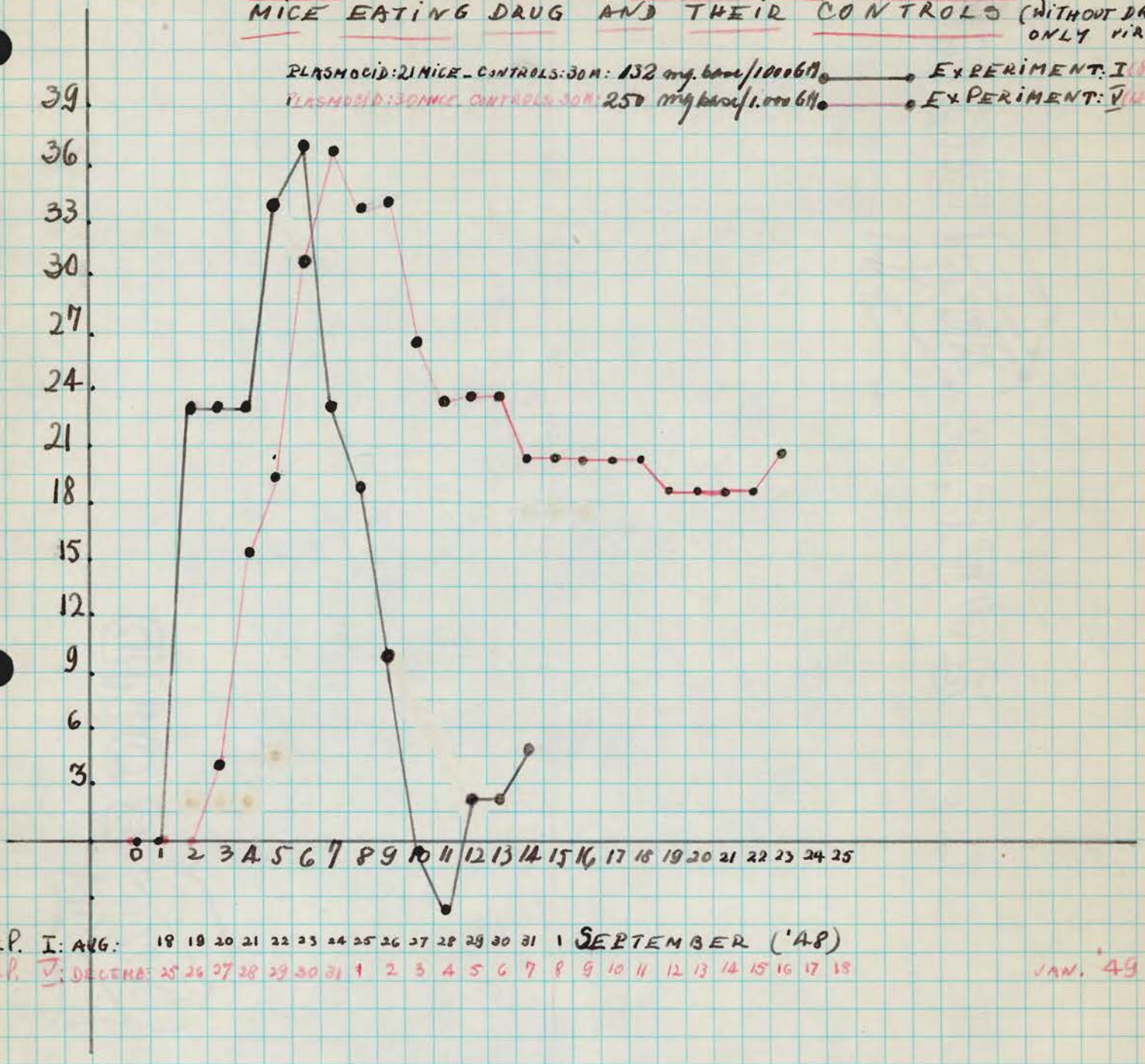


PLASMOCID IN FEED (EXP. I AND EXP. V)

— DAYLY INCREASE OF DIFERENCE, BETWEEN MICE EATING DRUG AND THEIR CONTROLS (WITHOUT DRUG) ONLY VIRUS

PLASMOCID: 21 MICE - CONTROLS: 30 M: 132 mg. base/1000 GM. — EXPERIMENT: I

PLASMOCID: 30 MICE CONTROLS 30 M: 250 mg base/1.000 GM. — EXPERIMENT: V



'48 Exp. I: AUG.: 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 SEPTEMBER ('48)

'48 Exp. V: DECEMB 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 JAN. '49

1
2
3
B

12/23/49 — ISOPLASMOCID — Exp V

GROUP	DAY OF PARALYSIS	DEATH	
CONTROLS	5, 6, 7, 9, 9	7, 7, 13.	
ISOPLASMOCID 10 mg base AQUEOUS Pamic	9, 10, 11, 11, 12.- 5? 10.6	16. NO	
ISOPLASMOCID 24 mg base only	6, —	4, 7^s, 1, 7^s, 7, 1^s	
ISOPLASMOCID 16 mg base only	NO PARALYSIS S, 8, 10.	0, 1, 1, 2, 3, 3, 4	
ISOPLASMOCID 16 mg base + Procain Pam	6, 7, 10	2, 3, 11^s, 12.	

1/10/49. MICRO

1185 _ Polio. _
1187 _ Polio
1184 _ no Polio.
1188 _ No Polio. _

1/22/49

Monkeys at 5th Floor:

4/24/49 ~~1066~~ _ ~~1069~~ _ Isoplasmocid, previous test 1.2 mg/kg "K" intramuscularly, at: 12/1/1948 (Rh 1190)

1179 _ control, Surv. Exp IV PLASMOCID AND ISOPLASM.

803 - 807 _ Dengue.

1/25/49 ~~1075~~ _ Tenant neutralization test 11-3-'48 - Hamlet → RH 1190

1162 _ PLASMOCID, (only?) EXP IV _ Surv.

1/24/49 1166 _ ISOPLASMOCID, EXP. IV _ Surv. (Rh. 1188)

570 _ Dengue.

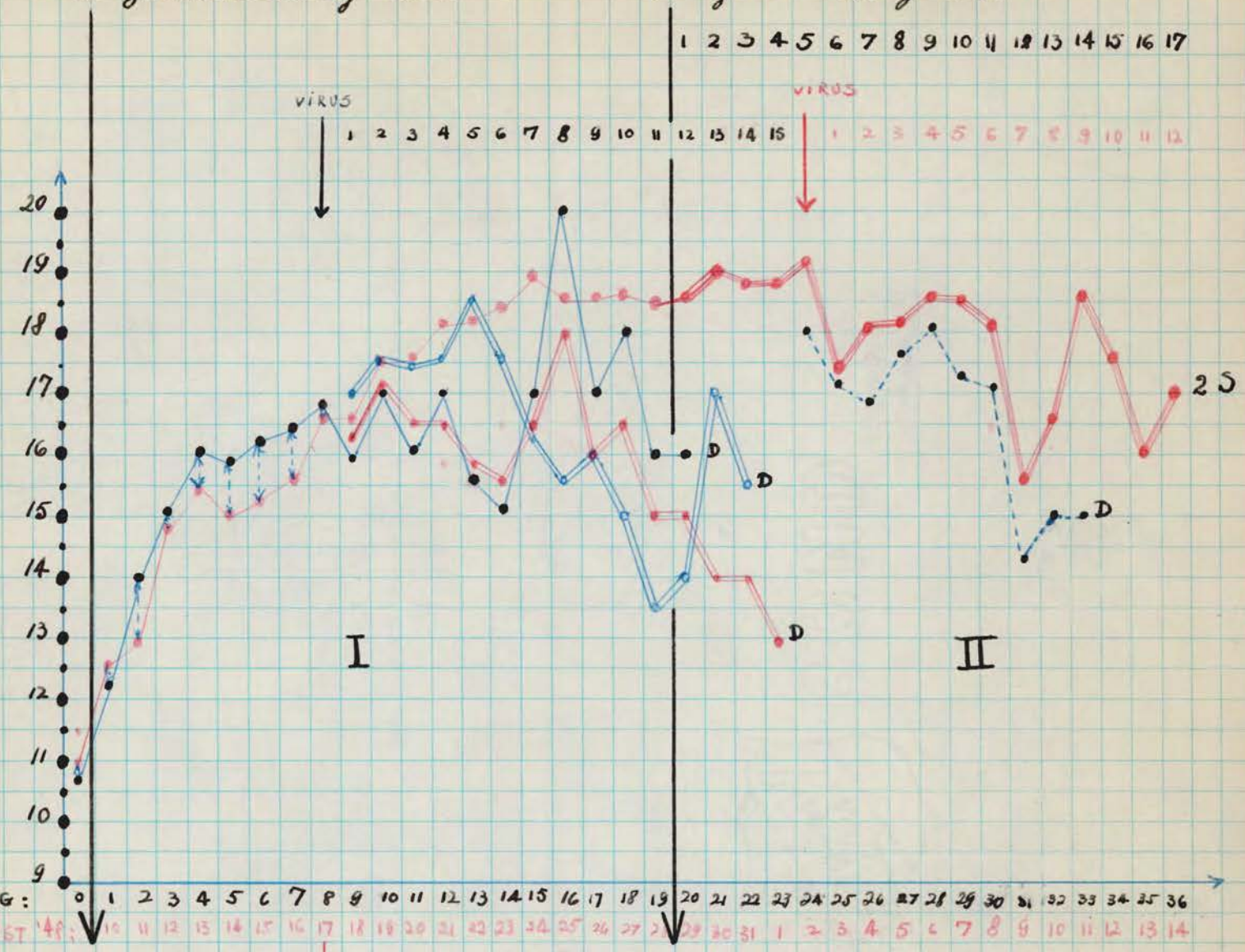
2111 _ ?

126 _ Hopperkamp?

569 _ Dengue.

250 mg DRUG = 132 mg BASE

400 mg DRUG = 211.2 mg BASE



10 MICE — DRUG CONTROL: 132 mg base/1000 GM diet

10 MICE — NO DRUG → BOX 'A': DRUG + VIRUS

21 MICE → DRUG + VIRUS (A+B)

30 MICE → NO DRUG_ONLY VIRUS (C.D.E) → WHOLE PELLETS

DRUG: 211.2 mg base/1000 GM diet + VIRUS

CONTROL: ONLY VIRUS

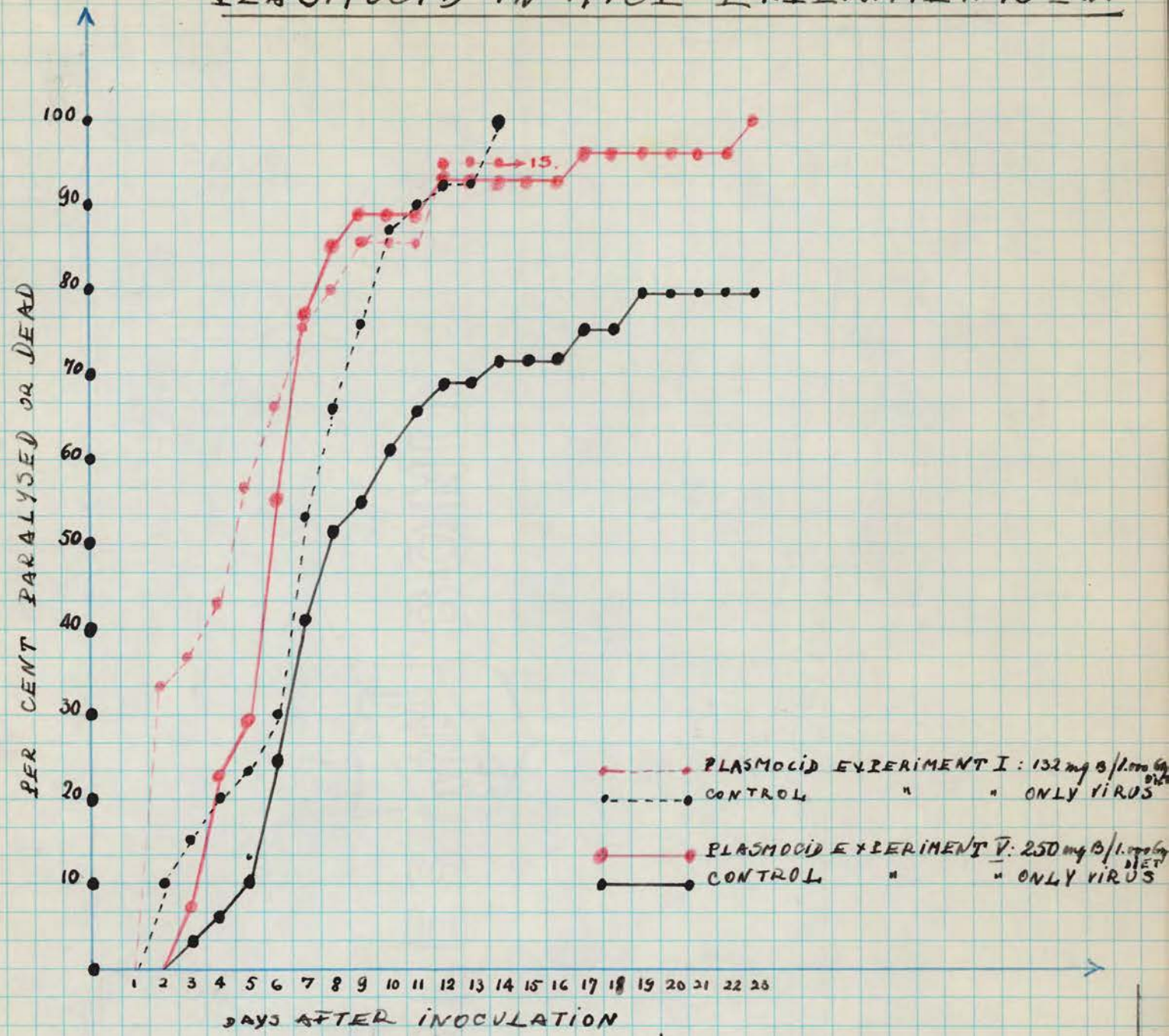
D = 100 per cent DEAD

S = Survived

PLASMOCID EXP. I + II

Weigh

PLASMOCID IN MICE EXPERIMENTS I & V



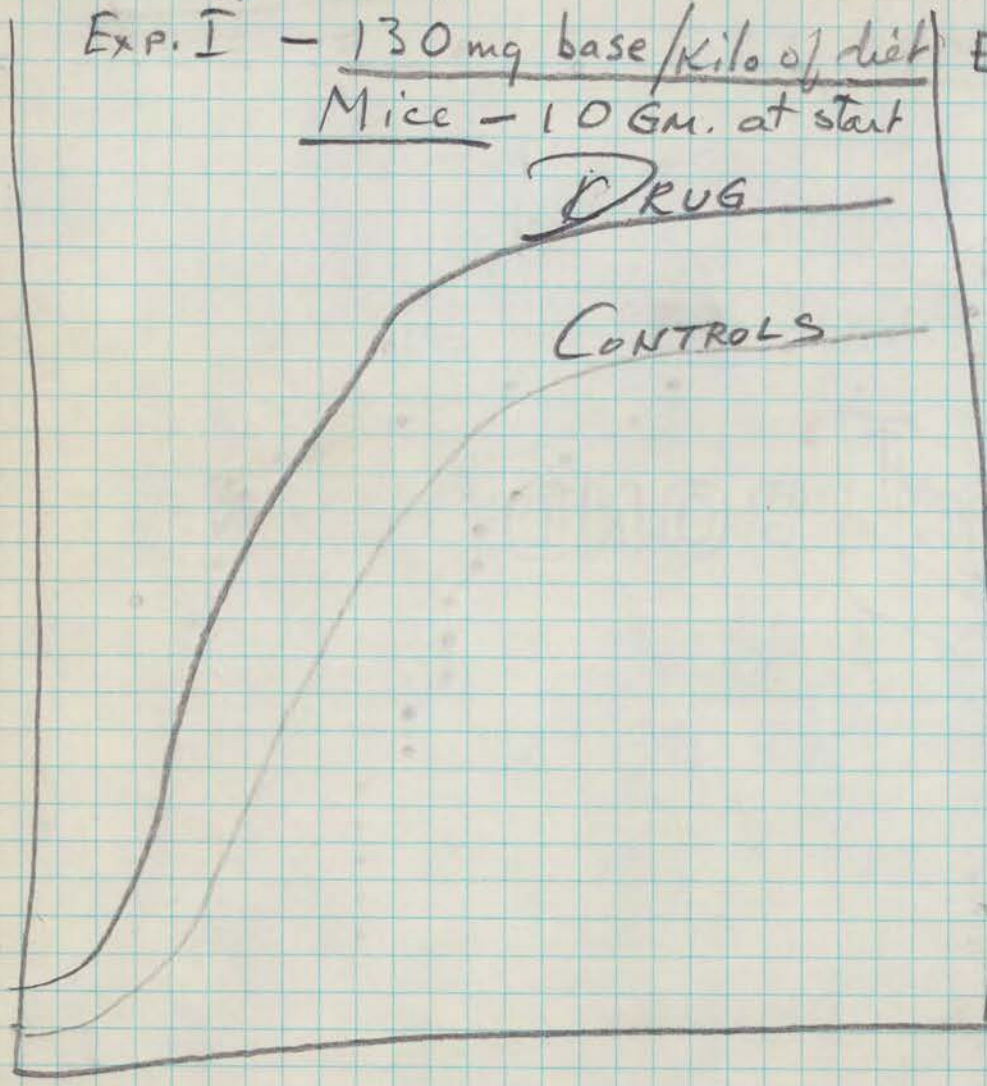
PLASMOCID

– EXP. I + V IN MICE –

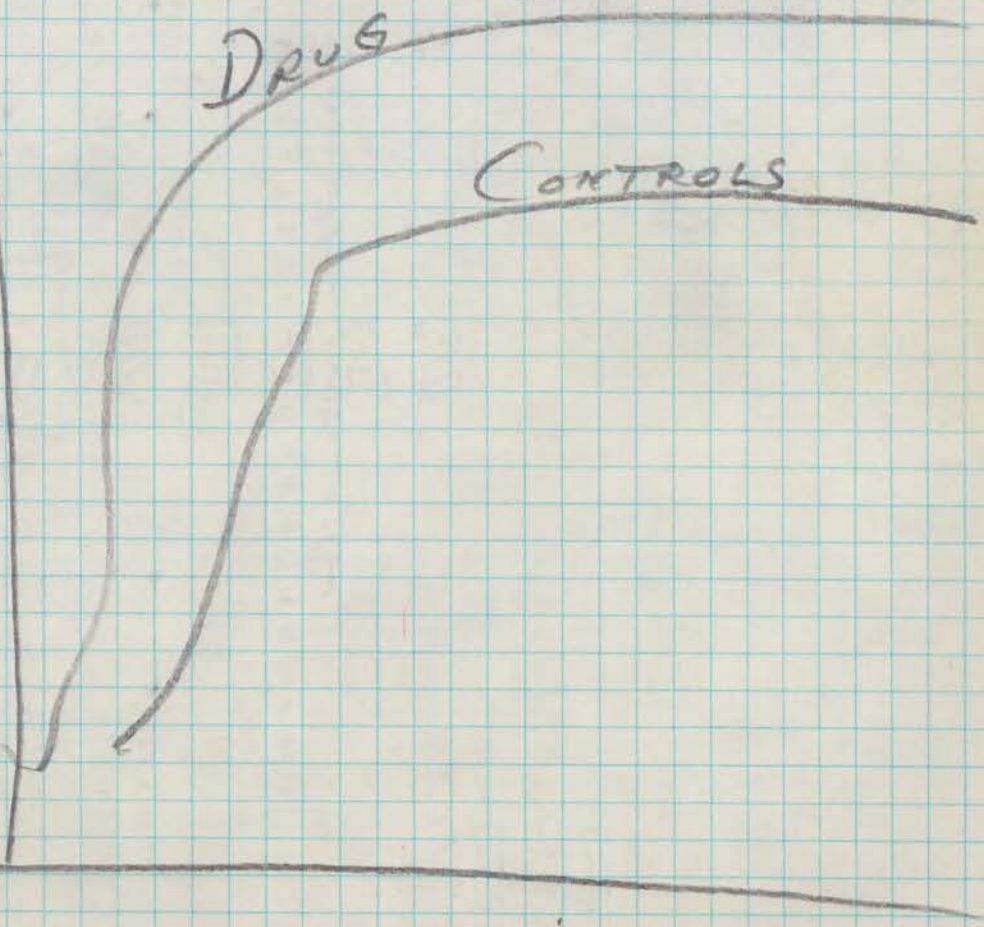
PER CENT. PARALYSED OR DEAD

Effect of Plasmocid in Diet of Mice on Susceptibility to Lanu

Exp. I – 130 mg base/Kilo of diet
Mice – 10 Gm. at start



Exp II 250 mg. base/kilo of diet
Mice – 20 Gm. at start



PLASMOCID IN MICE

Group	Number	Virus	Days on Feed @	Amount of Powder @	Base	Drug
I	30 mice	10^{-2}	35	5.250 Kg.	1.31 GM	1.64 GM
II	30 mice	10^{-3}	40	6.000 Kg.	1.50 GM	1.875 GM
III	30 mice	10^{-4}	45	6.750 Kg	1.69	2.11 GM.
IV	30 mice	NO VIRUS	45	6.750 Kg.	1.69	2.11 GM
V	30 mice	10^{-2}	35	5.250 Kg.	NO	NO
VI	30 mice	10^{-3}	40	6.000 Kg.	NO	NO
VII	30 mice	10^{-4}	45	6.750 Kg.	NO	NO
VIII	30 mice	NO VIRUS	25	3.750 Kg	1.87	2.34 GM
IX	30 mice	1:50	25	3.750 Kg	1.87	2.34 GM
X	30 mice	1:50 NO DRUG		3750 Kg	—	—

Margin notes: Groups I–IV: 250 mg base/Kilo Powder = 312 mg. DRUG; Groups V–VII: CONTROL VIRUS G: I-II-III; Groups VIII–IX: 500 mg base/Kilo Powder = 625 mg DRUG; Group X: CONTROL VIRUS G: IX

54000
–P and 18 = 36 Kg Powder

6G – 180 mice [120/250 mg b/Kilo + 60/500 mg b/Kilo] : 12.015 GM
– P and D 4.000 GM
8.00 GM DRUG

[Powder for 300 mice: 36 Kg
DRUG for 180 mice: @ 8 GM]

We have now: 7,400 GM. probably enough

1) To prepare 4 bottles, dark. 1 K Powder in each.

2) To weigh the drug: 7.4 GM.–

1/14/49: There is @ 7.088 GM.–
1/17/49– " " = amount –

6 Tolerancia para la droga
= tolerancia para el virus?
↓
(= resistencia)

1/17/49.

Plasmoid mice exp. 1.

No virus (at start) yellow — 10 mice received 19 days: 0,40 = 7.6 mg + 4/0,63 = 2.52 (192 mg/k. 2 pick)

total 23 days: (10,12) mg.

EXP. II (V)

Pl. 19 mice received: 23 days / 0.75 = (17.25) mg. (250/k.)

Ask to T: 1) inoculation already?
2) more drug in proportion to the increase on exp I mice and inoculation after 4 days?

0.75 mg
23
225
150
17.25

100 gr — 22.800

22.8 gr. B — 100 Gm Drug
" — 100
52.8
250 " " — 250 or 473.4
3880
1840
3500
3880
= 473.4

250 — 473.4
500 — 947.

500 or 946.9
2480
3680
5120

Monkeys on 5th Floor (from 4th at 2/11/49.

1203 _ 1204 - Exp. Isop. 12/23/49

1228 _ 1230 → Complete lowers.

1237 _ Partial lowers

1227 - Almost nothing _ partial paralysis on right lowers.

Pl. _ 1062x and 1069x - Good lowers.

Vimy Hof [illegible] Dec 2-48

1) [illegible] (5)

2) [illegible] l. musc. Sec. 1 - 1948

3) JAN. 24 - Rh. 1190 - 10-1