

### Experiment 8 : Eimeria passaging 4 strains

Isolate	Species	Last passaging	At dpi	In mice strain	Date	Individual	N passaging before
E88	E. falciformis	Exp005_1a	8	STRA_SCHUNT	July 2018	LM0199	4
Eflab	E. falciformis	Exp002	9	NMRI	March 2018	4	N+++
E64	E. ferrisi	Exp003	7	STRA	April 2018	LM0136	3
E139	E. ferrisi	Exp003	7	PWD	April 2018	LM0126	3

Count of oocysts in Neubauer chamber (N.B: sporulated oocysts, but as they are old some of them were quite “shaggy”, not clearly sporulated)

$$C1 \times V1 = C2 \times V2$$

We infect 2 mice per isolates (prepare double = for 4 mice) with 150 oocysts each, ingested in 100 microL = 0.1mL so  $C2 = 1500 \text{ oocysts/mL}$  ;  $V2 = 0.1 \times 4 = 0.4 \text{ mL}$

$$V1 = (C2 \times V2) / C1 = (1500 \times 0.4) / C1 = 600 / C1$$

Isolate	N1	N2	N3	N4	mean	C1 (oocysts/ml)	V1 (mL)	V1 (microL)	Vwater (microL)
E88	64	Not counted	Not counted	Not counted	64	640000	0.00094	0.94	399
Eflab	126	Not counted	Not counted	Not counted	126	1260000	0.0005	0.48	399.5
E64	82	Not counted	Not counted	Not counted	82	820000	0.0007	0.73	399.2
E139	25	23	25	31	26	260000	0.0023	2.31	397.7

8 mice infected. Males. Born 28.07.2018. NMRI. Age at infection: 25 weeks