

S3 Table. Infectivity of *in vitro*-generated *Pbsera4(-)* merozoites in mice

Exp.	Parasite line	Average no. merozoites released per well	No. merozoites injected per animal	No. infected animals/no. injected animals	Time to patency (days)
I	wildtype-ANKA	5,360	500	3/3	4.0
	<i>Pbsera4(-)</i> -ANKA	2,350	500	3/3	4.6
II	wildtype-ANKA	3,100	500	3/3	4.3
	<i>Pbsera4(-)</i> -ANKA	430	500	3/3	5.0
III	wildtype-ANKA	2,700	2,700	1/1	3.0
	<i>Pbsera4(-)</i> -ANKA	1,930	1930	1/1	3.0
IV	wildtype-ANKA	650	650	2/2	6.0
	<i>Pbsera4(-)</i> -ANKA	550	550	2/2	6.0
V	wildtype-ANKA	200	100	2/2	5.0
	<i>Pbsera4(-)</i> -ANKA	46	92	2/2	5.0

Exp. indicates separate experiments.

The data in column 3 (Average no. merozoites released per well) are displayed graphically in Figure 4C where the values are normalized to wildtype-ANKA.

No. infected animals/No. injected animals indicates the number of animals in which blood-stage infection was detected relative to the number that were injected with merozoites.

Time to patency is the mean number of days between infection and detection of blood-stage *P. berghei*.