

Supplementary Material

Table S1. Mean \pm SD of testosterone levels (ng/dl) in the fecal extract of squirrel monkey (*Saimiri collinsi*): pre inoculation, acute phase, and convalescent phase of Zika virus experimental infection. Values after logarithmic transformation.

	Pre inoculation	Acute Phase	Convalescent Phase
Group	Day -5 to -1	Day 0 to 9	Day 10 to 21
G1: Uninfected	2,6450 \pm 0,2608 ^{Aa}	2,5954 \pm 0,2119 ^{Aa}	2,7294 \pm 0,2297 ^{Aa}
G2: Infected	2,7110 \pm 0,2213 ^{Aa}	2,4857 \pm 0,3232 ^{Ab}	2,6620 \pm 0,1582 ^{Aa}

^{A-B} Different uppercase letters between rows indicate statistical difference between groups in the same stage of infection ($p < 0.05$).

^{a-b} Different lowercase letters between columns indicate statistical difference between stages in the same experimental group ($p < 0.05$).

Table S2. Mean \pm SD of testicular biometry of the squirrel monkey (*Saimiri collinsi*): acute and convalescent phase of Zika virus experimental infection. Values after logarithmic transformation.

		Acute Phase	Convalescent Phase
		Day 0, 3, 5 e 7	Day 10, 14 e 21
Testicular Volume (cm³)	G1: Uninfected	-0,092 \pm 0,154 ^{Aa}	-0,077 \pm 0,069 ^{Aa}
	G2: Infected	-0,2655 \pm 0,0730 ^{Ba}	-0,3385 \pm 0,0294 ^{Bb}
Gonadosomatic Index (%)	G1: Uninfected	-0,845 \pm 0,169 ^{Aa}	-0,822 \pm 0,159 ^{Aa}
	G2: Infected	-1,0074 \pm 0,0949 ^{Ba}	-1,0812 \pm 0,0402 ^{Bb}
Body Weight (g)	G1: Uninfected	2,7722 \pm 0,0227 ^{Aa}	2,7640 \pm 0,0115 ^{Aa}
	G2: Infected	2,7614 \pm 0,0393 ^{Aa}	-2,7623 \pm 0,0282 ^{Aa}

^{A-B} Different uppercase letters between rows indicate statistical difference between groups in the same stage of infection ($p < 0.05$).

^{a-b} Different lowercase letters between columns indicate statistical difference between stages in the same experimental group ($p < 0.05$).

Figure S1. Group evaluation, daily data: (A) Testosterone, (B) Testicular Volume, (C) Gonadosomatic Index, and (D) Body weight. Mean and min-max values. The infection stages are represented by the periods: pre inoculation (day -5 to -1), acute phase (day 0 to 9), and convalescent phase (day 10 to 21).

