

THE INTERACTION OF VECTOR-SPECIES AND PARASITE-STRAIN IN THE RESPONSIVENESS OF BUGS TO INFECTION BY *T. CRUZI*.

<i>T. cruzi</i> strain	Infections in donors days	Percentage of infected bugs with parasite counts ≥ 11 per 50 fields										
		<i>R. prolixus</i>	<i>R. neglectus</i>	<i>P. megistus</i>	<i>T. infestans</i>	<i>T. brasiliensis</i>	<i>T. sordida</i>	<i>T. psmaulata</i>	<i>T. rubrovaria</i>	<i>T. dimidiata</i>	<i>T. vitticeps</i>	<i>T. pessoai</i>
Acute infections												
Berenice	23	48.3(29)	84.4(32)	93.8(32)	50.0(22)	64.3(28)	87.5(32)	96.9(32)	87.5(32)	11.8(17)		
Y	25	35.7(28)	75.0(32)	96.9(32)	55.6(18)	84.6(26)	93.7(32)	90.6(32)	65.6(32)	15.0(20)		
FL	27	50.0(26)	90.6(32)	90.6(32)	52.2(23)	43.5(23)	96.9(32)	93.8(32)	78.1(32)	17.6(17)		
CL	29	29.0(31)	100 (32)	96.9(32)	81.3(16)	53.8(26)	93.8(32)	87.5(32)	90.6(32)	0 (10)	Not done	
São Felipe	36	13.0(23)	90.6(32)	93.5(31)	66.7(15)	92.0(25)	93.8(32)	96.8(31)	87.5(32)	6.7(15)		
Colombiana	39	74.2(31)	100 (32)	77.4(31)	63.0(27)	55.2(29)	81.3(32)	90.3(31)	75.0(32)	17.6(17)		
Gávea	41	71.9(32)	87.5(32)	83.3(30)	30.4(23)	64.5(31)	81.3(32)	84.4(32)	81.3(32)	0 (9)		
Chronic infections												
Berenice	503&755	13.3(30)	83.3(60)	89.6(67)	46.4(28)	71.4(56)	72.3(47)	68.0(50)	73.5(34)	8.8(34)	83.3(60)	65.4(52)
Y	462&741	4.3(23)	52.4(21)	84.2(57)	26.7(15)	66.7(33)	76.9(26)	71.4(42)	56.5(46)	4.2(24)	76.0(50)	70.0(20)
FL	441&737	15.0(40)	69.0(42)	85.5(55)	39.1(23)	59.2(49)	71.0(31)	88.7(53)	69.5(59)	11.8(34)	78.9(19)	47.6(21)
CL	429&731	28.0(25)	68.6(35)	86.7(45)	26.7(15)	65.5(29)	82.6(23)	72.7(33)	71.8(39)	5.9(17)	74.1(27)	72.2(18)
São Felipe	510&807	26.3(57)	84.2(76)	87.0(77)	33.3(45)	83.3(72)	90.4(73)	83.3(72)	66.1(59)	17.6(34)	77.8(72)	78.8(66)
Colombiana	451&751	61.1(18)	80.0(10)	65.0(20)	0 (4)	58.8(17)	50.0(16)	45.0(20)	50.0(20)	0 (7)	44.4(18)	— (14)
Gávea	501&732	55.9(59)	82.8(58)	84.3(70)	23.5(17)	52.8(53)	74.1(58)	54.7(53)	77.6(58)	21.2(33)	68.5(54)	54.7(53)

No. infected in parenthesis; -not done

PARASITE STRAIN REFLECTION SHOWN BY INFECTIVITY RATES IN VECTORS FED ON HOSTS WITH EXPERIMENTAL CHRONIC INFECTIONS.

<i>T. cruzi</i> strain	Infections in donors days	Percentage of infected bugs										
		<i>R. prolixus</i>	<i>R. neglectus</i>	<i>P. megistus</i>	<i>T. infestans</i>	<i>T. brasiliensis</i>	<i>T. sordida</i>	<i>T. psamculata</i>	<i>T. rubrovaria</i>	<i>T. dimidiata</i>	<i>T. vitticeps</i>	<i>T. pessoai</i>
Acute infections												
Berenice	23	90.6(29)	100 (32)	100 (32)	68.8(22)	87.5(28)	100 (32)	100 (32)	100 (32)	53.1(17)		
Y	25	87.5(28)	100 (32)	100 (32)	56.3(18)	81.3(26)	100 (32)	100 (32)	100 (32)	62.5(20)		
FL	27	81.3(26)	100 (32)	100 (32)	71.9(23)	71.9(23)	100 (32)	100 (32)	100 (32)	53.1(17)		
CL	29	96.9(31)	100 (32)	100 (32)	50.0(16)	81.3(26)	100 (32)	100 (32)	100 (32)	31.3(10)	Not done	
São Felipe	36	71.9(23)	100 (32)	96.9(31)	46.9(15)	78.1(25)	100 (32)	96.9(31)	100 (32)	46.9(15)		
Colombiana	39	96.9(31)	100 (32)	96.9(31)	84.4(27)	90.6(29)	100 (32)	96.9(31)	100 (32)	53.1(17)		
Gávea	41	100 (32)	100 (32)	90.0(36)	71.9(23)	96.9(31)	100 (32)	100 (32)	100 (32)	28.1(9)		
Chronic infections												
Berenice	503&755	37.5(30)	75.0(60)	83.8(67)	35.0(28)	70.0(56)	58.8(47)	64.9(50)	85.0(34)	42.5(34)	73.2(60)	65.0(52)
Y	462&741	28.8(23)	26.3(21)	71.3(57)	18.8(15)	41.3(33)	31.7(26)	52.5(42)	60.5(46)	30.0(24)	62.5(50)	50.0(20)
FL	441&737	50.0(40)	52.5(42)	68.8(55)	28.8(23)	61.3(49)	38.8(31)	66.3(53)	73.8(59)	42.5(34)	47.5(19)	52.5(21)
CL	429&731	31.3(25)	43.8(35)	56.3(45)	18.8(15)	36.3(29)	28.8(23)	41.3(33)	48.8(39)	21.3(17)	67.5(27)	50.0(20)
São Felipe	510&807	71.3(57)	95.0(76)	96.3(77)	56.3(45)	90.0(72)	91.3(73)	90.0(72)	98.3(59)	42.5(34)	85.7(72)	82.5(66)
Colombiana	451&751	22.5(18)	12.5(10)	25.0(20)	5.0(4)	22.4(17)	20.0(16)	25.0(20)	27.8(20)	8.8(7)	45.0(18)	-
Gávea	501&732	73.8(59)	72.5(58)	87.5(70)	21.3(17)	66.3(53)	72.5(58)	66.3(53)	86.6(58)	41.3(33)	67.5(54)	66.3(53)

No. infected in parenthesis; -not done