



PMC full text: [Int J Gen Med. 2015; 8: 1–8.](#)
 Published online 2014 Dec 19. doi: [10.2147/IJGM.S73791](#)
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Table 1

Summary of experimental results

Host infection rate and tick attachment time				Number of infected animals/total animals (%)						
Study	Tick species	Host	Borrelia species	<16 hrs	<24 hrs	<36 hrs	<42 hrs	<48 hrs	<72 hrs	<96 hrs
Piesman et al ²⁵	<i>I. dammini</i> (now <i>I. scapularis</i>)	Golden Syrian hamsters, white footed mice	Bb JDI		1/14(7%)			5/14(33%)	13/14(93%)	
Piesman ³⁵	<i>I. dammini</i> (now <i>I. scapularis</i>)	Male ICR outbred mice	Bb JDI			1/14(7%)	3/12(25%)	6/8 (75%)		
Shih and Spielman ³⁶	<i>I. dammini</i> (now <i>I. scapularis</i>)	CDI mice	Bb JDI	0/8 (0%)	0/9 (0%)	1/7 (14%)		10/10 (100%)		
Refeeding ^a					5/6 (83%)	5/6 (83%)		6/6 (100%)		
1st host to tick ^b				6/7 (89%)	5/5 (100%)	6/6 (100%)		6/6 (100%)		
Crippa et al ⁴⁷	<i>I. ricinus</i>	AKR/N mice								
Naturally infected			Bb ss ZS7		0/10 (0%)			0/8 (0%)	2/5 (40%)	2/5 (40%)
Injected			Bb ss ZS7		6/9 (67%)			4/11 (36%)	7/8 (88%)	7/8 (88%)
Naturally infected			Ba NE1849		1/7 (14%)			4/8 (50%)	5/5 (100%)	2/4 (50%)
Injected			Ba NE1849		5/9 (56%)			10/11 (91%)	5/5 (100%)	5/7 (71%)
Kahl et al ⁴⁴ ^c	<i>I. ricinus</i>	Mongolian gerbils	Bb sl 1/R29	8/14 (57%)*	9/17 (53%)*			17/17 (100%)*	18/18 (100%)*	

single
passage

Notes:

^aThe feeding time is after reattachment of partially fed ticks

^bthe time for infection was from infected first host to tick

^cdata combined from 3 experiments using different removal techniques and excluding unclear cases

* Attachment times for the Mongolian gerbils data varied from the other data in the table; attachment times were < 16.7 hrs, <28.9 hrs, <47.0 hrs, and <65.2 hrs, respectively.

Abbreviations: hrs, hours; Bb, *Borrelia burgdorferi*; Bb ss, *Borrelia burgdorferi* sensu stricto; Bb sl, *Borrelia burgdorferi* sensu lato single passage wild strain isolated from Berlin I. *ricinus*; Ba, *Borrelia afzelii*