

Transmission time of selected tick-borne disease agents.

Pathogen	Disease	Vector	Transmission Time	Reference
<i>Anaplasma phagocytophilum</i>	Granulocytic anaplasmosis	<i>Ixodes scapularis</i>	4 to 48 hours	Nicholson et al. 2010
		<i>Ixodes pacificus</i>		
		<i>Ixodes scapularis</i>	< 36 hours	Katavolos et al. 1998
		<i>Ixodes scapularis</i>	< 24 hours	des Vignes et al. 2001
		<i>Ixodes scapularis</i>	40-48 hours	Hodzic et al. 1998
<i>Babesia microti</i>	Human babesiosis	<i>Ixodes dammini</i>	< 36 to 48 hours	Piesman et al. 1980
<i>Borrelia afzelii</i>	Lyme disease-like	<i>Ixodes ricinus</i>	< 48 hours	Crippa et al. 2002
<i>Borrelia burgdorferi</i>	Lyme disease	<i>Ixodes scapularis</i>	> 17 hours	Kahl et al. 1998
		<i>Ixodes scapularis</i>	< 24 hours	Piesman et al. 1987
		<i>Ixodes scapularis</i>	< 48 to 72 hours	Vignes et al. 2001
		<i>Ixodes scapularis</i>	< 48 hours	Piesman et al. 1991
		<i>Ixodes ricinus</i>	< 36 hours	Meiners et al. 2006
<i>Cytauxzoon felis</i>	Feline cytauxzoonosis	<i>Amblyomma americanum</i>	36-48 hours	Thomas et al., 2017
<i>Ehrlichia canis</i>	Canine ehrlichiosis	<i>Rhipicephalus sanguineus</i>	4 to 48 hours	Nicholson et al. 2010
		<i>Dermacentor variabilis</i>		
		<i>Rhipicephalus sanguineus</i>	3 hours	Fourie et al. 2013
<i>Rickettsia rickettsii</i>	Rocky Mountain spotted fever	<i>Dermacentor variabilis</i>	4 to 48 hours	Nicholson et al. 2010
		<i>Dermacentor andersoni</i>		
		<i>Rhipicephalus sanguineus</i>		
		<i>Amblyomma aureolatum</i>	> 10 hours	Saraiva et al. 2014
<i>Theileria parva</i>	Theileriosis; East Coast fever	<i>Rhipicephalus appendiculatus</i>	< 24 to 72 hours	Ochanda et al. 1988
<i>Powassan virus</i>	Powassan virus disease	<i>Ixodes scapularis</i>	< 15 minutes	Ebel et al. 2004

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