

## Sample Submission Guide for Serology testing of Select Vector-borne and Zoonotic Diseases

Pathogen	Sample Type	
	Serum	CSF
Anaplasma phagocytophilum IgG IFA		X
Bartonella henselae IgG IFA		X
Bartonella quintana IgG IFA		X
Borrelia burgdorferi sensu lato CSF ELISA IgG		
Borrelia burgdorferi sensu lato IgG Immunoblot		X
Borrelia burgdorferi sensu lato IgM/IgG ELISA		X
Borrelia burgdorferi sensu stricto IgG Immunoblot		X
Borrelia burgdorferi sensu stricto IgM Immunoblot		X
Cache Valley virus PRNT		
Chikungunya virus IgM and IgG ELISA		X
Chikungunya virus PRNT		
Coxiella burnetti IgG IFA		X
Dengue virus IgM and IgG ELISA		X
Dengue virus PRNT		
Eastern Equine Encephalitis virus HI		X
Eastern Equine Encephalitis virus PRNT		
Ehrlichia chaffeensis IgG IFA		X
Jameson Canyon virus IgM ELISA		X
Jameson Canyon virus PRNT		
Japanese Encephalitis virus HI		X
Japanese Encephalitis virus PRNT		
Leptospira species IgM ELISA		X
Leptospira species MAT		X
Orientia tsutsugamushi IgM and IgG ELISA		X
Powassan virus IgM and IgG ELISA		X
Powassan virus PRNT		
Snowshoe hare virus IgM		
Snowshoe hare virus PRNT		
Spotted fever rickettsiae IFA		X
Typhus group rickettsiae IFA		X
West Nile virus IgG ELISA		X
West Nile virus IgM ELISA		
Yellow fever virus PRNT		
Zika virus IgG ELISA		X
Zika virus IgM ELISA		
Zika virus PRNT		

Minimum Volume	0.5 mL	0.5 mL
Shipment Conditions	Store specimens refrigerated for up to 5 days and ship with freezer packs. If stored > 5 days, freeze at -20°C and ship on dry ice.	

= Ideal      X = Unacceptable