

Arbovirus Testing Available from Wadsworth Center

Tests that are available are indicated with the Test Catalog ID. See footnotes for additional relevant information.

	Molecular Real-Time RT-PCR ^a	IgM ELISA ^b	IgG IFA ^{b,g}	Total Ab MIA ^b	PRNT [^]
Bourbon virus					3170
Cache Valley virus					3170
Chikungunya virus	6150 ^{c,2} ; 2630 ²	2910 ^e			3170
Dengue -1-4 virus (with typing)	6150 ^c ; 2510	3710		3710 ^b	3170
Eastern equine encephalitis virus	5470 ^{d,2}		606 ^g		3170
Heartland virus	5470 ^{d,1,3} ; 4490 ^{1,3}				3170
Highlands J virus					3170
Jamestown Canyon virus			606 ^g		3170
Japanese encephalitis virus					3170
LaCrosse encephalitis virus			606 ^g		3170
Mayaro virus					3170
Oropouche virus	6150 ^{c,2} ; 6210 ²				3170
Potosi virus					3170
Powassan virus	5470 ^{d,2} ; 3730 ²	606		606	3170
Snowshoe Hare virus					3170
St. Louis encephalitis virus	5470 ^{d,2}		606 ^g		3170
West Nile virus	5470 ^{d,1,2,3} ; 2470 ^{1,2,3}	604 ² ; 606		606	3170
Western equine encephalitis virus			606 ^g		3170
Yellow fever virus	4491 ^{1,3}				3170
Zika virus	6150 ^{c,1,3} ; 3031 ^{1,3}	3070 ^f		3070	3170

a. The table reflects currently available clinically validated assays. Other non-validated assays may be available upon request. b. The table reflects currently available clinically validated assays. MIA for endemic arboviruses includes West Nile virus and Powassan virus. Flavivirus Polyvalent MIA Serology (Travel-associated) MIA currently includes Zika and Dengue 1-4 viruses. Following MIA, positive samples are reflexed to either IFA or IgM. c. Arbovirus Travel Panel PCR (Test Catalog 6150). d. Arbovirus Summer Panel (Molecular) (Test Catalog 5470) e. Chikungunya virus IgG assay is also available. f. Chembio DPP® Zika IgM Assay g. Focus Technologies Arbovirus IgG Indirect Immunofluorescent assay (IFA) detects California Encephalitis (CE) group viruses; LaCrosse virus is the actual target.

Alternative specimen type accepted: 1. Urine 2. CSF 3. Whole blood

[^] PRNT: Paired specimens preferred; screening tests performed at PHL should clearly indicate need for PRNT. Serum highly encouraged, if only CSF is available, please discuss with the testing laboratory prior to submission.

Arbovirus Testing Available from CDC

Testing is performed on serum samples at Arbovirus Diseases Branch, CDC, Fort Collins, CO unless otherwise indicated.

	Molecular Real-Time RT-PCR	IgM MAC- ELISA	IgM MIA	PRNT
Colorado Tick Fever Virus	Yes			
Chikungunya virus				Yes
Dengue -1-4 virus	Yes#	Yes#		Yes
Eastern equine encephalitis virus			Yes*	Yes*
Jamestown Canyon virus		Yes*		Yes*
Japanese encephalitis virus				Yes
LaCrosse encephalitis virus		Yes*		Yes*
Oropouche virus	Yes*			Yes
Powassan virus		Yes*		Yes*
St. Louis encephalitis virus			Yes*	Yes*
West Nile virus			Yes*	Yes*
Yellow fever virus		Yes		Yes
Zika virus		Yes*		Yes

#Testing performed at CDC Dengue Branch, * Will perform for CSF in addition to serum