Florida HEALTH
Bureau of Public Health Laboratories

Test Menu

TOPIC	DESCRIPTION
Test Name	Arbovirus, Serology, IgG ELISA
Other Name (s)	EIA, Arbovirus IgG
Analyte(s)	eastern equine encephalitis (EEE), St. Louis encephalitis (SLE), dengue (DEN), West Nile (WN), chikungunya (CHIK), and yellow fever (YF)
Test Code	1690, 1533, 1692, 1694, 1698
Lab location	Jacksonville and Tampa locations
Department	Virology
Prior Authorization	-Requires prior approval from Regional Epidemiology and notification to the testing lab. Contact local County Health Department to start the process for approval.
Required Forms	Test Requisition Form, DH1847. Medical History needed (i.e., onset date, collection date, travel history, symptoms, and Mosquito bite history).
Specimen Sources	Single or Paired sera* Serum
Supplemental Information- Special Specimen Preparation	*Paired Sera Collection: 1. First specimen (acute) collected in red top tube 1-3 days after onset of illness. Separate serum and store refrigerated until second specimen is collected. 2. Second specimen (convalescent) collected in red top tube 10-14 days after first specimen. 3. Ship sera together in the most expedient manner possible.
Minimum Volume	Serum – minimum 1mL, 3-5 mL (preferred) of blood
Storage Conditions	Refrigerate specimens at 2-8°C or frozen at ≤-20°C.
Collection Media	Serum: Vacutainer or serum separator tube (red/tiger topped tube)
Specimen Labeling	-Specimen must be labeled with at least two unique patient identifiers, Ex: Name and DOB. -The collection date and time if submitting multiple specimens. **-Information on the specimen must match the requisition.**
Packaging and Shipping Instructions and Handling	Specimens must be shipped between (2-8°C) or frozen (≤-20°C) on dry ice. Separate multiple specimens into different bags (preferred).
Test Methodology	IgG ELISA
Turnaround Time	5 - 10 days
Result Indicator	Positive, Negative, Equivocal, or Inconclusive
Unsatisfactory Specimen	Unlabeled or mislabeled specimens, insufficient quantity for testing, incorrect collection tube/transport media, grossly contaminated specimen, disparity between ID on sample and paperwork, improper collection, storage or transport of specimen, no test requested, test requested is not performed. If required, absence of patient history. If required, lack of patient history compatibly with test requested. Test order cancelled by provider, broken, or leaked in transit, etc.
Interferences and Limitations	Hemolysis
Additional Information & Notes	Date of onset, mosquito exposure, clinical symptoms, and recent travel history is required.
Reference Range	Positive, Negative, Equivocal, or Inconclusive
Reference Lab	CDC if needed
Reflex testing	None

Note: If this analysis is selected, regardless of the test code entered, the laboratorian will determine which analytes to run based on the current algorithm and the patient's medical history.