Florida HEALTH
Bureau of Public Health Laboratories

Test Menu

TOPIC	DESCRIPTION
Test Name	Mumps virus (MuV), PCR
Other Name (s)	Real-time PCR, RT-PCR, real-time RT-PCR, nucleic acid amplification testing (NAAT)
Analyte(s)	mumps (MuV)
Test Code	1688
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., dates MMR vaccination, onset date, collection date, travel history and symptoms.
Specimen Sources	Buccal swab, Urine
Supplemental Information- Special Specimen Preparation	Specimens should be collected as soon as mumps disease is suspected, preferably within 3 days following symptom onset. The buccal swabs specimens are obtained by massaging the parotid gland area for 30 seconds prior to swabbing the area around Stensen's duct.
Minimum Volume	300 μL (0.3 mL), 1mL preferred
Storage Conditions	Refrigerate specimens at 2-8°C or frozen at ≤-20°C after collection
Collection Media	Dracon swab Viral transport media (VTM) or universal transport media (UTM). Sterile cup-Urine
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	Real-time reverse-transcription polymerase chain reaction (RT-PCR) assay
Turnaround Time	1 – 5 days
Result Indicator	Mumps virus detected or no virus detected
Unsatisfactory Specimen	Swabs with calcium alginate or cotton tips or with wooden shafts. 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, the absence of patient history. If required, the lack of patient history that is compatible with test requested. Test order cancelled by provider, broken, or leaked in transit, etc.
Interferences and Limitations	Specimen warming or freeze thawing reduces sensitivity. A negative result should not be used to rule out mumps infection as many variables can affect specimen quality. Positive results should be interpreted in conjunction with signs, symptoms, and recent MMR vaccine history due to the potential detection of the vaccine strain in clinical specimens. This assay may not be able to detect nucleic acid from some wild-type strains. Swabs with calcium alginate or cotton tips or with wooden shafts, can result in inactivation of some viruses and inhibit some molecular assays
Additional Information & Notes	Requires prior approval from CHD and notification to the testing lab.
Reference Range	Mumps virus detected or no virus detected
Reference Lab	CDC if needed
Reflex testing	N/A