

## Mumps rRT-PCR

<b>Test Description</b>	Molecular assay for qualitative detection of Mumps virus RNA in clinical oral/nasopharyngeal swabs or buccal swabs
<b>Test Use</b>	Direct detection of viral RNA is indicative of current infection and may be needed for case confirmation when serologic testing is not conclusive
<b>Test Department</b>	Virology Phone: (860) 920-6662, FAX (860) 920-6661
<b>Methodology</b>	Real-time Reverse Transcriptase Polymerase Chain Reaction (rRT-PCR)
<b>Availability</b>	Daily, Monday-Friday
<b>Specimen Requirements</b>	Preferred specimen is a parotid gland/buccal (the space between the cheek and teeth) swab submitted in 2 mL viral transport media. Use only polyester or Dacron-tipped swabs with plastic or aluminum shafts. Do NOT use calcium alginate or cotton tipped, or wood shafted swabs.
<b>Collection Kit/Container</b>	Category B shipping box with cold pack To obtain collection kit, refer to Collection Kit Ordering Information.
<b>Collection Instructions</b>	Massage the parotid gland for 30 seconds prior to swabbing area around the Stensen's duct. Immediately place swab into viral transport media and allowed to remain in VTM for at least 1 hour at 4°C.
<b>Specimen Handling &amp; Transport</b>	Store specimen at 2-8° C and transport with an ice pack coolant to be received at the laboratory within 24 hours of collection. If there is a delay in shipment the sample must be stored at <-70°C until delivered.
<b>Unacceptable Conditions</b>	Unlabeled specimen Specimens that have leaked or containers that have broken in transit Specimens improperly collected or transported
<b>Requisition Form</b>	Clinical test requisition (select <b>Mumps PCR</b> ). Testing requires prior notification of CT DPH Immunizations Program, (860) 509-7929.
<b>Required Information</b>	Name and address of submitter (and/or Horizon profile #) Patient name or identifier, date of birth, town of residence (city, state, zip) Specimen type or source of collection, test requested, date of collection, <b>date of onset</b> Please ensure patient name on the requisition matches that on the specimen.
<b>Limitations</b>	Proper collection, storage and transport of specimens are essential for accurate results. A negative test does not rule out infection with mumps virus and should not be used as the sole basis of a patient treatment/management decision
<b>Additional Comments</b>	Collect oral or buccal swab samples as soon as mumps disease is suspected. RT-PCR has the greatest diagnostic sensitivity when samples are collected at first contact with a suspected case.

Revision: 10/19/2020