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| http://www.prc7.org/sites/21547/images/texasprcmap.gif  | **Texas Department of State Health ServicesMumps VIRAL Specimen Collection** |
| Specimen Type | **PCR TESTING**\*\* Mumps Specimens \*\* |
| http://www.rapidmicrobiology.com/news/509h9p.JPGMaterials | * Viral transport media (VTM) and tubes
* Specimen submission forms (G2V)
* Personal protective equipment
* Tongue depressors
* Polyester fiber tipped swabs - either Dacron or Rayon
* NO cotton tipped or wooden shaft swabs or any that contain calcium alginate
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| Proper Specimen Collection  | * Do not use expired media – be sure to check the expiration date
* Cheek (buccal) swabs are the preferred specimens for DSHS testing
* Massage the outside of the patient’s parotid gland for 30 seconds
* Swab the area around Stensen’s duct
* Put tip of swab in the VTM, breaking applicator stick if necessary
* Seal properly
* Freeze at -70°C or refrigerate at 4°C
* Prepare for shipment
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| Specimen Handling | * Transport specimens to the laboratory as soon as possible
* Specimens should be placed in a biohazard bag and stored at 4°C or -70°C
* If specimens are shipped the same day of collection, ship at 4°C
* If specimens will be stored and shipped after the date of collection, freeze at

-70° C* DO NOT store samples in a standard freezer – this inactivates the virus
* DO NOT have repeated freeze thaw cycles – this inactivates the virus
 |
| Specimen Shipping | * Do not ship on Fridays or before government holidays
* Specimens stored at 4°C are shipped using cold packs
* Specimens stored at -70° C are shipped on dry ice
* Complete the G2V form for each specimen
* Check “Mumps PCR” in Section 4 of the G2V
* The name on the tube should match the name on the form exactly
* Ship to the physical address ATTN: Lab Services
* Record the shipping tracking number and notify EAIDB that a specimen is being shipped
 |
| Additional Information | * Collect as soon as possible after parotitis onset
* Preferably within three days
* Not more than ten days after onset

Centers for Disease Control and Prevention– Mumps PCR<http://www.cdc.gov/mumps/lab/index.html> |

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| http://www.prc7.org/sites/21547/images/texasprcmap.gif | **Texas Department of State Health ServicesMumps SERUM Specimen Collection** |
| Specimen Type | **IgM and IgG Antibody Testing**\*\* Mumps Specimens \*\* |
| Materials | * Red top tubes and serum transport tubes OR gold top OR tiger top tubes
* Specimen Submission forms (G2A)
* Personal Protective Equipment
* Centrifuge
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| Proper Specimen Collection | * Do not use expired tubes – be sure to check the expiration date
* RED TOP TUBE
	+ Collect at least 5mL of blood in red top tube
	+ Centrifuge the red top tube
	+ Transfer the serum into a serum transport tube
* GOLD TOP/TIGER TOP TUBE
	+ Collect at least 5mL of blood in gold/tiger top tube
	+ Centrifuge the gold/tiger top tube
* Seal properly
* Refrigerate serum transport tubes, gold top, or tiger top tubes
* Prepare for shipment
 |
| Specimen Handling | * Transport specimens to the laboratory as soon as possible
* Specimens should be placed in a biohazard bag and stored at 4°C or -20°C
* If specimens are shipped the same day of collection, ship at 4°C
* If specimens will be stored and shipped after the date of collection, freeze at -20° C **(must be in serum transport tubes to be frozen)**
* Do not freeze serum in gold top, tiger top or serum separator tube for shipping
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| Specimen Shipping | * Do not ship on Fridays or before government holidays
* Do not ship whole blood
* Specimens that will arrive at the lab within 48 hours of collection can be stored at 4°C and should be shipped using cold packs
* Specimens that will arrive at the lab more than 48 hours after collection should be stored at -20° C and shipped on dry ice
* Complete the G2A form for each specimen
* Check “Mumps IgG” and “Mumps IgM” in Section 7 of the G2A
* Be sure to record the time/date the specimen was removed from the freezer/refrigerator
* The name on the tube should match the name on the form exactly
* Ship to the physical address ATTN: Lab Services
* Record the shipping tracking number and notify EAIDB that a specimen is being shipped
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| Additional Information | * Collect as soon as possible after parotitis onset, up to 30 days
* Patients with an MMR vaccine in the past 6-45 days are not recommended for serologic testing.

Centers for Disease Control and Prevention– Mumps serology<http://www.cdc.gov/mumps/lab/overview-serology.html>  |