



Arkansas Department of Health

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Governor Asa Hutchinson

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Mumps Laboratory Instructions

Reporting

- Please complete the communicable disease reporting form with any suspected mumps cases and fax to 501-661-2428.

Testing

- The Arkansas Department of Health (ADH) can test for Mumps virus via PCR testing.
- We can arrange additional testing via CDC for Virus-Specific IgM Antibodies if needed.
- PCR tests should be done on persons with suspected disease or symptoms of parotitis within the first 3-5 days of onset of swelling.
- Collection kits are available at the LHU.
- Samples can be taken to any local health unit to be shipped to the ADH lab in Little Rock.

Results

- Turnaround time for ADH tests will be within 2 business days for PCR.
- Results will be faxed to the listed provider on lab specimen.

Resources

- For more information about Mumps virus disease, please see the CDC Mumps Virus website at <http://www.cdc.gov/mumps/about/index.html>
- For an illustration of the parotid gland and instructions for collection of buccal fluid visit <http://www.cdc.gov/mumps/lab/detection-mumps.html>
- For questions please contact the AR PHL- Molecular lab for assistance or the Outbreak Response Section at 501-537-8969

Mumps PCR testing sample collection, storage and transportation information:

Test Names	Preferred Specimen Types	Acceptable Specimen Types	Specimen Storage Condition	Specimen Transportation	Submission Form	Collection Kit available at APHL
Mumps PCR	<p>Oral or buccal swab. Note: Swab specimens should be collected only with a Dacron Tip and an aluminum or plastic shaft. Swabs must be collected in viral transport medium. Swabs with calcium alginate or cotton tips and wooden shafts are unacceptable.</p>	<p>Oropharyngeal swab. Note: Swab specimens should be collected only with a Dacron Tip and an aluminum or plastic shaft. Swabs must be collected in viral transport medium. Swabs with calcium alginate or cotton tips and wooden shafts are unacceptable.</p>	<p>Stored in the refrigerator at 2-8°C or below e.g. -20°C. <i>It is important to transport samples with cold packs as soon as possible following sample collection.</i></p>	<p>Swabs should be transferred to 1-3 ml viral transport medium (do not allow to dry out). Transported at 2-8°C or below e.g. -20°C.</p>	Miscellaneous Examination Form (HL-06)	Yes