**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](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](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:

<table>
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<tr>
<th>Test Names</th>
<th>Preferred Specimen Types</th>
<th>Acceptable Specimen Types</th>
<th>Specimen Storage Condition</th>
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<th>Submission Form</th>
<th>Collection Kit available at APHL</th>
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<tbody>
<tr>
<td>Mumps PCR</td>
<td>Oral or buccal swab.</td>
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<td>Stored in the refrigerator at 2-8°C or below e.g. -20°C.</td>
<td>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.</td>
<td>Miscellaneous Examination Form (HL-06)</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*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.*