Mumps Testing Flowchart

Indiana Department of Health

Infectious Disease Epidemiology & Prevention Division

START

Does the patient have parotitis?

NO

Testing is not recommended. Serology (IgG) can be performed to test for immunity, if needed. Check vaccination status and instruct patient to monitor for symptoms and call ahead if parotitis develops.

YES

Did parotitis start more than 5 days before the patient presented to the facility?

NO

Is the facility able to collect a buccal swab for PCR testing at the IDOH Laboratories?

YES

- **Order mumps serology (IgM and IgG).** Send to a reference laboratory.
- Report clinically diagnosed cases and patients with positive IgM results to IDOH via NBS or at 317-233-7125 (regular business hours) or 317-233-1325 (after hours).

NO

- Refer patient to a facility where testing is available.
- Call ahead to the facility and provide them with the following information: patient's expected time of arrival, name, DOB, university/school affiliation, MMR vaccination status, symptoms (including onset dates), and travel history.

YES

Order PCR testing. For submission to the IDOH Laboratories, follow these steps:
1. Collect ONE buccal swab using a synthetic swab and refrigerate in viral transport media (VTM) at facility until authorized.
   - A video on buccal swab collection is available at: https://www.cdc.gov/mumps/lab/specimen-collect.html
   - If parotitis started >3 days ago, also collect a serum specimen for IgM testing and send to a reference laboratory.
2. Instruct patient to self-isolate for 5 days after onset of parotitis or until mumps is ruled out.
3. Call IDOH at 317-233-7125 (regular business hours) or 317-233-1325 (after hours) for specimen authorization. **Authorization is required for testing.**
   - Have name, DOB, university/school affiliation, MMR vaccination status, symptoms (including onset dates), travel history, and provider contact information ready to provide to the IDOH epidemiologist.
4. Submit specimen for PCR testing according to IDOH Laboratory submission instructions available at https://www.in.gov/health/laboratories/files/CLI_Mumps.pdf.