**Decision Tree**

**MUMPS LABORATORY TESTING**

START

Does the patient have parotitis?

YES

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

YES

Order serology (IgM and IgG). Send to reference laboratory. Report positive IgM results to ISDH via I-NEDSS or at 317-233-7125 (regular business hours) or 317-233-1325 (after hours).

NO

Is the facility able to collect a buccal swab for PCR testing at the ISDH laboratory?

YES

Order PCR testing. For submission to ISDH Laboratory for PCR testing follow these steps:

1. Collect ONE buccal swab and refrigerate at facility until authorized.
2. Ask patient to self-isolate for 5 days from onset of parotitis or until negative results obtained, whichever comes first.
3. Call ISDH 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 for each symptom), travel history, and provider contact information ready to provide to the ISDH Epidemiologist.
4. Complete submission form (either LimsNet or paper) and submit specimen.

NO

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

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.

NOTES

- Specimen collection instructions, submission forms, and other mumps information may be found at [http://www.in.gov/isdh/25450.htm](http://www.in.gov/isdh/25450.htm)
- Specimens received by ISDH lab without authorization or appropriate paperwork may have significantly delayed results.
- In the absence of buccal swabs, swabs used for Strep testing may be used.