



# Mumps Testing

**CLH Test Code:**  
MUMPSP (3456)

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The Hawaii Department of Health (HDOH) continues to investigate cases of mumps infection statewide and is urging providers to report all suspected cases. As of Oct. 19, 2017, there have been 500 confirmed cases.

Providers are required to contact the Department of Health immediately when a suspect case presents in the clinic. Acute mumps infection can be best diagnosed by detecting virus by real-time reverse transcriptase polymerase chain reaction (rRT-PCR) in a buccal/parotid duct and/or a urine specimen. The HDOH stresses that “absence of Mumps IgM antibodies in a vaccinated (or previously infected) individual presenting with clinically compatible mumps does not rule out mumps as a diagnosis.”

A summary of the HDOH’s recommendations (including optimal specimens and timing) for Mumps virus laboratory testing is provided below.

**Test Information:**

Collection kits for rRT-PCR testing can be obtained from Clinical Labs of Hawaii (CLH). Testing is performed by the Department of Health.

**Buccal Swab** (use CLH Mumps Buccal M4RT Collection Kit)

- Collect ideally within 3 days and not more than 8 days after parotitis onset
- Use the swab in the kit only. Do not use calcium alginate or cotton swabs with wooden sticks
- Label the swab with patient’s name, date of birth, collection date, and source
- Once collected, keep swab refrigerated at 2-8°C
- Complete DOH’s Form 81.3 (Indicate Mumps as the category of agent suspected-one source per form)
- Submit specimen and completed DOH form to CLH ASAP

**Urine**

- Collect >4 days after symptom onset
- Collect in sterile container (minimum volume 50ml)
- Once collected, keep urine refrigerated at 2-8°C
- Label the container with patient’s name, date of birth, collection date, and source
- Complete DOH’s Form 81.3 (Indicate Mumps as the category of agent suspected-one source per form)
- Submit specimen and completed DOH form to CLH ASAP for immediate processing

**References:**

1. <http://health.hawaii.gov/docd/files/2017/05/Mumps-Provider-Info.pdf>
2. <https://www.cdc.gov/mumps/index.html>

If you have any questions, please contact our Client Services Department.

*Thank you for choosing Clinical Labs of Hawaii.*