

Is it mumps?

Provider Quick Reference Guide



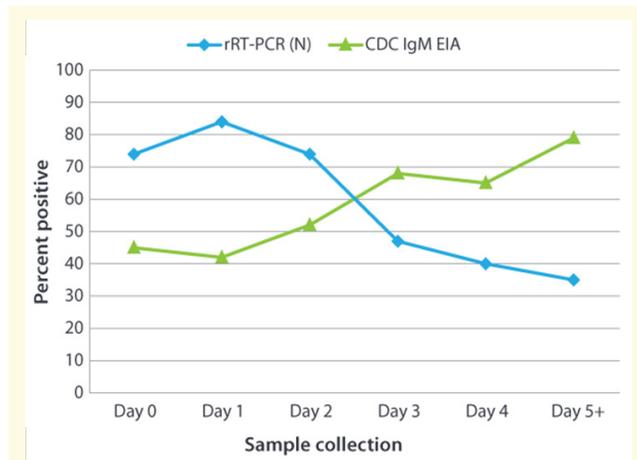
The Johnson County Department of Health and Environment needs your help in identifying, testing and reporting patients with mumps symptoms: **Parotitis** (swollen salivary glands under the ears on one or both sides), fever, headache, muscle aches, tiredness, and loss of appetite.

Reporting requirement

- Health care providers should report **all** suspected mumps cases **within 4 hours** of visit and before receipt of laboratory results to KDHE's epidemiology hotline at 877-427-7317.
- Clinical diagnosis of mumps requires laboratory confirmation. KDHE will authorize testing at KHEL and initiate an investigation to prevent and control the spread of disease.

What samples should I collect?

- **Buccal swab - PCR testing**
 - Must collect ≤ 5 days of parotitis onset
 - Can be tested at KHEL (if authorized)
KHEL criteria: Parotitis **OR** oophoritis, orchitis, pancreatitis, encephalitis/meningitis
- **Blood sample - Serology**
 - Collect for unvaccinated individuals ≥ 5 days of parotitis onset
 - Should be tested by private laboratory
- **Respiratory Viral Panel**
 - Collect for alternate diagnosis
 - Can be tested by KHEL



Detection of active mumps by PCR or IgM testing (days after parotitis onset)
Source: Centers for Disease Control and Prevention

A specimen tested negative by PCR, does this rule out mumps infection?

No. The viral titer might be low, and shipping/processing conditions can interfere with tests. Also, a buccal swab test might appear negative if collected ≥ 3 days after parotitis onset. Alternative diagnosis is possible by respiratory viral panel testing.

What do the serology results mean?

A positive IgM test in an unvaccinated individual shows current/recent infection. Collection < 5 days of parotitis onset could result in a false negative test. IgG testing is only confirmatory if acute and convalescent (2-3 weeks after onset) samples are collected.

Consult your local health department if you need guidance on case confirmation criteria.

For more information and specimen submission instructions, go to www.kdheks.gov/epi/mumps.htm