

- Demographics (Name, Date of Birth, Address, Phone Number)
- Signs and symptoms
- Parotitis onset date
- Risk exposures (i.e.; school, travel, exposure to known case, College/University student or visitor)
- Occupation

At the time of initial reporting it will be determined whether testing specimen can be sent to IDPH laboratory or if commercial laboratory is to be used.

Mumps Laboratory Testing & Specimen Collection

It is very important that any patient presenting with the above listed symptoms be tested appropriately for confirmation of mumps. Due to cross reacting antibodies and other issues, sensitivity and specificity of commercially available IgM tests are problematic. **The Centers for Disease Control and Prevention (CDC), Illinois Department of Public Health (IDPH), and the American Academy of Pediatrics (AAP), do not recommend mumps IgM testing by commercial laboratories for confirmation or elimination of a diagnosis of mumps. In a vaccinated individual, a negative IgM does not rule out mumps.** A positive laboratory confirmation for mumps virus with reverse transcription polymerase chain reaction (RT-PCR) or culture in a patient with acute characteristics of the mumps illness are the only laboratory tests that will yield a "confirmed" mumps case by CDC and IDPH case definition. **Therefore, the collection of buccal swab specimens for mumps virus isolation on all individuals with suspected mumps is extremely important and should be done.**

Buccal swabs should be collected up to 5 days after parotitis onset, preferably within 3 days after onset. In unvaccinated persons, virus may be isolated from 7 days before until 9 days after parotid swelling. Maximal viral shedding, however, generally occurs just prior to and within the first 3 days of parotitis onset. In vaccinated persons, buccal swabs should be collected within 1 to 5 days of parotitis onset, otherwise viral detection in RT-PCR or culture may have low yield. **Massage the parotid gland area (the space between the cheek and teeth just below the ear) for about 30 seconds prior to collection of the buccal secretions.** The parotid duct (Stenson's duct) drains in this space near the upper rear molars. See attached "Illustration of Parotid Gland and Instructions for the Collection of Buccal Fluid".

Exclusion

Under the Illinois Administrative Code, Illinois Department of Public Health Code 690.550(a)(2) and (b) all cases of mumps shall be excluded for 5 days after the onset of symptoms (parotitis). In addition, all susceptible close contacts shall be excluded from school, child care facilities or the workplace from days 12-25 after exposure.

