



IDAHO DEPARTMENT OF HEALTH & WELFARE  
**DIVISION OF PUBLIC HEALTH**

<b>Test Title</b>	<b><i>Bordetella pertussis</i> Detection of DNA In Clinical Samples Methodology: PCR</b>
<b>Sample Requirements</b>	<ol style="list-style-type: none"><li>1. Sample type(s): nasopharyngeal swab or nasal aspirate (no calcium alginate) or nasal wash (0.5 mL)</li><li>2. Rejection criteria: specimen sent in viral transport media (VTM)</li></ol>
<b>Sampling Materials</b>	<ol style="list-style-type: none"><li>1. Sample container: sterile tube or container</li><li>2. Collection kits available for order at <a href="http://www.statelab.idaho.gov">www.statelab.idaho.gov</a> or by calling (208) 334-0503.</li></ol>
<b>Procedural Notes</b>	<ol style="list-style-type: none"><li>1. <a href="#">Clinical Test Request Form</a> and <a href="#">Client Billing Form</a> (if applicable)</li><li>2. <i>B. pertussis</i> Collection Instructions (Appendix A)</li><li>3. CPT Code: 87798</li><li>4. Contact your local health district before requesting this test.</li></ol>
<b>Shipping Instructions</b>	<ol style="list-style-type: none"><li>1. Temperature/preservative instructions: refrigerated (2-8°C)</li><li>2. Package according to Biological Substance, Category B, shipping guidelines.</li><li>3. Ship to: Idaho Bureau of Laboratories <b>ATTENTION: Clinical Laboratory</b> 2220 Old Penitentiary Rd Boise, ID 83712</li></ol>
<b>Reporting and Turnaround Time (TAT)</b>	<ol style="list-style-type: none"><li>1. TAT: 48-72 hours from receipt of specimen</li><li>2. The performance characteristics of this assay have been verified in accordance with FDA requirements.</li><li>3. This disease must be reported to your local health district or to Idaho Bureau of Communicable Disease Prevention according to the rules and regulations governing Idaho reportable diseases (IDAPA 16.02.10).</li><li>4. Reference Range: N/A</li></ol>

## Appendix A. *B. pertussis* Collection Instructions

Note: To order supplies, use the online IBL Supply Request Form at [www.statelab.idaho.gov](http://www.statelab.idaho.gov) or call 208-334-0503.

1. Complete the [Clinical Test Request Form](#).
2. Collect nasopharyngeal sample using swab, taking care not to contaminate the specimen (see diagram).
  1. Tilt patient's head back 70 degrees.
  2. Insert swab into nostril. (Swab should reach depth equal to distance from nostrils to outer opening of the ear.) Leave swab in place for several seconds (up to 10 seconds) to absorb secretions. This procedure may induce coughing and tears. If resistance is encountered during insertion of the swab, remove it and attempt insertion in the opposite nostril.
  3. Slowly remove swab while rotating it. (Swab both nostrils with same swab.)
  4. Place tip of swab into sterile viral transport media tube and snap/cut off the applicator stick.
  5. Place all waste materials in an appropriate biohazard container.
  6. Appropriate precautions should be taken not to cause cross-contamination of specimens (i.e. changing of gloves, decontamination of instruments using bleach, and discarding of any previously used materials).
3. For Polymerase Chain Reaction (PCR) testing, place swab in provided sterile tube. Refrigerate until shipment.
4. For culture testing, send a second swab in Regan-Lowe or similar transport medium (IBL no longer supplies transport media for *B. pertussis* culture).
  - a. After sampling, push the tip of the swab into the semi-solid Regan-Lowe transport medium. Completely immerse the tip of the swab into the transport medium. If the handle of the swab projects above the tube, it should be cut off or rolled in a manner that will allow the tube to be closed completely, so that the specimen will not leak during shipment. (All instruments used in cutting should be sterile to prevent cross-contamination).
    - a. If receipt will be  $\leq 3$  days from collection, ship at ambient temperature.
    - b. If receipt will be  $> 3$  days from collection, incubate Regan-Lowe transport for 2 days at 35°C, then ship on ice pack.

