

Test Menu

| TOPIC | DESCRIPTION |
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| Test Name | <i>Bordetella pertussis</i> : Culture / PCR |
| Other Name (s) | N/A |
| Analyte(s) | <i>B. pertussis</i> , <i>B. parapertussis</i> or <i>B. holmesii</i> |
| Test Code | 2810 |
| Lab location | Jacksonville location |
| Department | Microbiology |
| Pre-Approval Required | Yes, Epidemiology |
| Required Forms | DH1847 |
| Specimen Sources | NASOPHARYNGEAL SWABS. |
| Supplemental Information- Special Specimen Preparation | N/A |
| Minimum Volume | Swabs: 1mL of medium |
| Storage Conditions | N/A |
| Collection Media | Amies Elution Swab (Eswab) Collection/Transport System or other suitable system |
| Specimen Labeling | Patient name, DOB, Collection date and NPI |
| Packaging and Shipping Instructions and Handling | <p>-Insert NP swab in E-swab transport medium and ship at 2-8°C (not frozen) within 24 hours of collection to the laboratory.</p> <p>-Ship cultures in Reagan-Lowe medium (cushioned in a vertical position) at 15-30°C within 48 hours of growth to the laboratory.</p> <p>-Include paperwork with specimens but separate them physically</p> |
| Test Methodology | Real Time-PCR, culture, MALDI-TOF, sequencing |
| Turnaround Time | 3 days |
| Result Indicator | Qualitative: PCR positivity and/or culture positivity results for <i>B. pertussis</i> , <i>B. parapertussis</i> or <i>B. holmesii</i> . |
| Unsatisfactory Specimen | <p>Not at correct temperature upon arrival at laboratory</p> <p>No patient identification on sample</p> <p>Names on sample and requisition slip do not match</p> <p>Specimens damaged or leaked in transit</p> |
| Interferences and Limitations | <p>Not at correct temperature upon arrival at laboratory.</p> <p>Note: Culture alone have low sensitivity compared to PCR.</p> <p>This assay has been validated for nasal respiratory specimens. Other specimen types may be tested only by special request from the state of Florida epidemiologists</p> |
| Additional Information & Notes | <p>Transport media (Amies E-Swab) may be requested from the BPHL Microbiology lab</p> <p>Use only nylon tipped swabs with flexible shafts</p> <p>Please confirm information with the testing laboratory</p> <p>There is no restriction for provider to submit specimens for primary testing to BPHL</p> <p>There is also no requirement for testing lab to submit positive sample to BPHL for confirmation</p> |
| Reference Range | Negative-positive |
| Reference Lab | CDC |
| Reflex testing | WGS if culture is viable |