

TEST UPDATE

Update to Bordetella Pertussis Test Alert sent 10/16/2024

UVMMC

Microbiology at UVMMC has completed the validation of a new Bordetella Pertussis PCR assay to be performed in-house. This will replace the current temporary need to have the testing sent out to the Mayo Clinical Laboratories.

Effective 11/6/24, UVMMC will replace Bordetella Pertussis, PCR testing (Epic Code LAB3216) with a new in-house assay, Bordetella Pertussis/Parapertussis, PCR. This test is recommended for use in symptomatic patients with an active cough, etc. and is not recommended for screening individuals who may carry Bordetella pertussis or Bordetella parapertussis. Additionally, testing patients previously diagnosed with pertussis for a cure of disease is not recommended for this test.

Collection Kit:



Test Build Information:

New Orderable	Epic Code	Atlas Code	Mayo Access ID	Order LOINC	CPT Code(s)
Bordetella Pertussis/Parapertussis, PCR	LAB17709	LAB17709	FAH6197	90441-7	87798x2
Result Component(s):					
Reporting Name	Epic Code	Atlas Code	Mayo Access ID	Result LOINC	Notes
Bordetella Pertussis, PCR	12301020410	12301020410	FAH6198	43913-3	
Bordetella Parapertussis, PCR	12301020411	12301020411	FAH6199	42588-4	
Specimen Requirements:					
Container	Specimen	Temperature	Collect Vol	Submit Vol	Stability
*Bordetella Collection Kit	Nasopharyngeal	Refrigerated	Swab	Swab in Kit	7 days
Collection Information:					
*Includes Nasopharyngeal Eswab and blue capped liquid amies transport media					
1. Insert the tip of the swab into a nostril to obtain a specimen from the posterior nasopharynx.					
2. Do not force the swab; resistance will be felt when the posterior nasopharynx is reached.					
3. Rotate the swab and leave it in place for 10-30 seconds or until the patient coughs.					
4. Repeat the process for the second nostril.					

Orderable to be Discontinued	Epic Code	Atlas Code	Mayo Test ID	Order LOINC	CPT Code(s)
Bordetella Pertussis, PCR	LAB3216	BPPCR	FAH5903	43913-3	87798

The B. pertussis target may cross-react with B. holmesii and B. bronchiseptica due to a shared genome insertional element and can produce false positive results for B. pertussis. Additional testing should be considered, if clinically indicated, to differentiate between B. holmesii and B. pertussis. Contact the microbiology pathologist on service if additional testing is required – this testing is not available at UVMMC.

For questions or concerns regarding these changes, please contact UVMMC Laboratory Customer Service at (802)847-5121 and ask to speak with Microbiology.

PATHOLOGY & LABORATORY MEDICINE

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