

TEST STATUS- NEW TEST

Notification Date: October 31st, 2024

Effective Date: October 31st, 2024

Test Name: Legionella pneumophila Antigen

Test ID: LAB6718

Explanation: On the effective date, Legionella pneumophila Antigen will become an in-house test and no longer sent out to a reference laboratory.

Useful For: For the detection of Legionnaires disease (*Legionella pneumophila* serogroup 1) in conjunction with culture

Methodology: Immunochromatographic Membrane Assay

Reference Interval: Negative

Critical Value: N/A

Specimen Requirements:

Specimen Type:	Urine
Alternate Specimen:	N/A
Container/Tube:	Sterile urine container
Specimen Preparation:	1. Collect a random urine specimen. 2. No preservative.
Specimen Volume:	0.5 ml
Pediatric Collection:	Same as adult
Storage/Transport Temperature:	Refrigerated (2-8°C)

Specimen Stability Information:

Specimen Type	Temperature	Time
Urine	Room temperature	24 hours
	Refrigerated (2-8°C)	14 days

Vanderbilt Medical Laboratories

Cautions:

This test only detects antigen for *L. pneumophila* serogroup 1. It will not detect infections caused by other *L. pneumophila* serogroups and by other *Legionella* species. A negative antigen result does not exclude infection with *L. pneumophila* serogroup 1. Culture is recommended for suspected pneumonia to detect causative agents other than *L. pneumophila* serogroup 1 and to recover *L. pneumophila* serogroup 1 when antigen is not detected in urine.

Excretion of *Legionella* antigen in urine may vary depending on the individual patient. Antigen excretion may begin as early as 3 days after onset of symptoms and persist for up to 1 year afterwards. A positive BinaxNOW *Legionella* result can occur due to current or past infection and therefore is not definitive for infection without other supporting evidence.

Reasons for Rejection:

1. Specimens other than urine
2. Urine specimen collected in a container with preservative
3. Excessively bloody or very turbid specimens
4. Specimens with any dyes or unnatural color

Recommendations:

The diagnosis of Legionnaires' disease cannot be based on clinical or radiological evidence alone. There is no single satisfactory laboratory test for Legionnaires' disease. Therefore, culture results, serology and antigen detection methods should be used in conjunction with clinical findings to make an accurate diagnosis.

CPT Code(s): 87899

Days(s) Performed: Monday-Friday

Report Available: 1-3 days

Note: The following referral test code will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
Legionella pneumophila antigen, Urine	LAB886	0070322	ARUP

Questions: Please get in touch with Vanderbilt Medical Laboratories Customer Service at 615-875-5227 (5-LABS) or 800-551-5227 or visit our website: [Home | Vanderbilt Medical Laboratories \(vumc.org\)](http://Home | Vanderbilt Medical Laboratories (vumc.org))