

Overview

Method Name

Limulus Amebocyte Lysate (LAL) Pathway

NY State Available

Yes

Specimen

Specimen Type

Lavage

Specimen Required

Specimen Type: Bronchoalveolar lavage

Container/Tube: Sterile container

Specimen Volume: 1 to 3 mL

Collection Instructions:

1. Collect 1 to 3 mL bronchial lavage in a sterile container.
2. Ship frozen

Specimen Minimum Volume

0.5 mL

Reject Due To

Hemolysis	Reject
Lipemia	Reject
Icterus	Reject
Universal transport media	Reject

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Lavage	Frozen (preferred)	30 days	
	Ambient	4 days	
	Refrigerated	7 days	

Clinical & Interpretive

Clinical Information

The Fungitell beta-D glucan assay detects (1,3)-beta-D-glucan from the following pathogens: *Candida* spp., *Acremonium*, *Aspergillus* spp., *Coccidioides immitis*, *Fusarium* spp., *Histoplasma capsulatum*, *Trichosporon* spp., *Sporothrix schenckii*, *Saccharomyces cerevisiae*, and *Pneumocystis jiroveci*.

The Fungitell beta-D glucan assay does not detect certain fungal species, such as the genus *Cryptococcus*, which produces very low levels of (1,3)-beta-D-glucan, nor the Zygomycetes such as *Absidia*, *Mucor*, and *Rhizopus*, which are not known to produce (1,3)-beta-D-glucan. Studies indicate *Blastomyces dermatitidis* is usually not detected due to little (1,3)-beta-D-glucan produced in the yeast phase.

Reference Values

A reference range for specimens other than serum has not been established.

Interpretation

The performance characteristics of the Fungitell assay in bronchoalveolar lavage (BAL) have been determined by Eurofins Viracor; there are no established criteria for the interpretation of Fungitell results from BAL fluid. Research studies have evaluated the use of the Fungitell assay in BAL in both immunocompromised patients (1) and acute eosinophilic pneumonia.(2)

Clinical Reference

1. Theel ES, Jespersen DJ, Iqbal S, et al. Detection of (1, 3)- β -D-glucan in bronchoalveolar lavage and serum samples collected from immunocompromised hosts. *Mycopathologia*. 2013;175(1-2):33-41. doi:10.1007/s11046-012-9579-y
2. Kawayama T, Fujiki R, Honda J, Rikimaru T, Aizawa H. High concentration of (1 \rightarrow 3)-beta-D-glucan in BAL fluid in patients with acute eosinophilic pneumonia. *Chest*. 2003;123(4):1302-1307. doi:10.1378/chest.123.4.1302

Performance

PDF Report

No

Day(s) Performed

Monday through Saturday

Report Available

3 to 6 days

Performing Laboratory Location

Eurofins Viracor

Fees & Codes**Fees**

- Authorized users can sign in to [Test Prices](#) for detailed fee information.
- Clients without access to Test Prices can contact [Customer Service](#) 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact [Customer Service](#).

CPT Code Information

87449

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FUNBL	Fungitell, BAL	Not Provided

Result ID	Test Result Name	Result LOINC® Value
FUNBL	Fungitell, BAL	Not Provided