

## Overview

### Method Name

Limulus Amebocyte Lysate (LAL) Pathway

### NY State Available

Yes

## Specimen

### Specimen Type

Lavage

### Specimen Required

**Specimen Type:** BAL

**Sources:** Bronchoalveolar lavage

**Container/Tube:** Sterile container

**Specimen Volume:** 1 – 3 mL

**Note:** Ship frozen

### Reject Due To

Hemolysis	Mild reject; Gross reject
Lipemia	Mild reject; Gross reject
Icterus	Mild reject; Gross reject
Other	NA

### Specimen Minimum Volume

0.5 mL

### Specimen Stability Information

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

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## Clinical & Interpretive

### Clinical Information

The Fungitell Beta  $\alpha$  D Glucan assay detects (1,3)  $\alpha$  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)  $\alpha$  Beta-D-glucan, nor the Zygomycetes, such as *Absidia*, *Mucor*, and *Rhizopus*, which are not known to produce (1,3)  $\alpha$  Beta-D-glucan. Studies indicate *Blastomyces dermatitidis* is usually not detected due to little (1,3)  $\alpha$  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 BAL have been determined by Viracor-Eurofins; 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 (*Mycopathologia* (2013) 175:33-41) and acute eosinophilic pneumonia (*Chest* (2003) 123:1302-1307).

## Performance

### PDF Report

No

### Performing Laboratory Location

Eurofins Viracor

## Fees & Codes

### Test Classification

### CPT Code Information

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87449

**LOINC® Information**

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

Result ID	Reporting Name	LOINC®
FUNBL	Fungitell, BAL	Not Provided