



# Test Definition: FUNBL

Fungitell, BAL

## 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)- $\beta$ -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

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**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        |