



喜诺
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FungiXpert[®]

Candida Mannan Detection Kit (CLIA)

Product code: FCMN012-CLIA

Obtain result in 60min



Overview

Invasive candidiasis (IC) is one of the most frequent human health associated invasive fungal infection. IC is associated with high incidence and mortality. There are about 750,000 people suffer from IC and over 50,000 dead worldwide annually. Diagnosis of IC is challenging. Several biomarkers are available for improving diagnosis. Mannan, the cell wall component, is the most direct biomarker for *Candida* species. The Candida Mannan Detection Kit (CLIA) provide a reliable and rapid diagnostic of IC in serum and BAL fluid.

Product Characteristics

Basic Parameters	Candida Mannan Detection Kit (CLIA)
Method	Chemiluminescence immunoassay
Sample Type	Serum, BAL fluid
Specification	12 tests/kit
Applicable instrument	Full-Automatic Chemiluminescence immunoassay System (FACIS)
Detection Time	40 min
Detection Objects	<i>Candida spp.</i>
Stability	The kit is stable for 1 year at 2°C-8°C
Limit of detection	20 pg/ml

Applicable Department

- Respiration department
- Cancer department
- Transplantation department
- Hematology department
- ICU
- Infectious department

Product Advantages



Saving time is saving life! Obtain result within 60 min.



All in one! Integrated reagents and consumables together, more convenient.



Unique sample pretreatment system using micron film with invention patent.



Fully automatically perform experiment process & data analysis.

Clinical Performance

- **Limit of detection**

Limit of Detection (LoD): 20 pg/ml

- **Sensitivity and specificity**

	Serum	BAL
Sensitivity	87.6%	91.6%
Specificity	91.3%	93.9%

- **Early diagnosis**

-Early before the culture results about 7 days for Candidaemia¹

-Early before radiological detection about 16 days for the patients with hepatosplenic IC

- **Fast initiation of appropriate antifungal treatment**

It can help physicians in initiating prompt and appropriate antifungal therapy, resulting in life saving and decreased morbidity.

- **Recommended by ESCMID²**

Summary of recommendations by Candida disease, specimen and test evaluated²

Disease	Specimen	Test	Recommendation	Level of evidence
Candidaemia	Blood/Serum	Mannan/anti-mannan	Recommended	II
Chronic disseminated candidiasis	Blood/Serum	Mannan/anti-mannan	Recommended	II

Reference

1.Mikulska M, Calandra T, Sanguinetti M, et al. The use of mannan antigen and anti-mannan antibodies in the diagnosis of invasive candidiasis: recommendations from the Third European Conference on Infections in Leukemia[J]. Critical care, 2010, 14(6): R222.

2.Cuenca-Estrella M, Verweij P E, Arendrup M C, et al. ESCMID* guideline for the diagnosis and management of Candida diseases 2012: diagnostic procedures [J]. Clinical Microbiology and Infection, 2012, 18: 9-18.



Innovation for Better Health

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