



丹娜生物  
DNK

Catalogue No. DNK-1403-1



# Dynamiker Candida Mannan Assay

Breakable • Early • Sensitive • Time-efficient

# All Specification

Breakable . Economic . Selected . Time-efficient



## 1 Intended Use

Dynamiker Candida Antigen&Antibody Assays are based on competitive Enzyme-linked Immunosorbent Assay (ELISA). They are used for quantitative detection of Candida mannan antigen and Candida albicans anti-mannan IgM/IgG antibodies in human serum, offering a diagnostic reference for Candida infection.

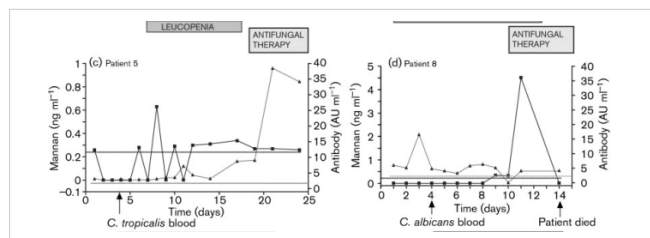
## 2 Specification

<b>Specimen</b>	Serum
<b>Specification</b>	96 tests, single well breakable
<b>Result analysis positive</b>	Concentration of Mannan $\geq 100\text{pg/mL}$
<b>Inconclusive</b>	$50\text{pg/mL} \leq \text{Concentration of Mannan} < 100\text{pg/mL}$
<b>Negative</b>	Concentration of Mannan $< 50\text{pg/mL}$
<b>Repeatability</b>	$\text{CV} \leq 15\%$
<b>Time to answer</b>	2.5h

## 3 IgG/IgM

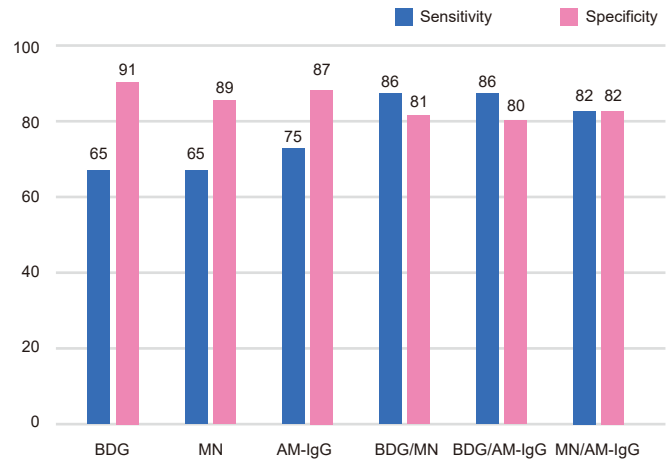
<b>Specimen</b>	Serum
<b>Specification</b>	96 tests, single well breakable
<b>Result analysis positive</b>	Concentration of Antibody $\geq 120\text{AU/mL}$
<b>Inconclusive</b>	$80\text{AU/mL} \leq \text{Concentration of Antibody} < 120\text{AU/mL}$
<b>Negative</b>	Concentration of Antibody $< 80\text{AU/mL}$
<b>Repeatability</b>	$\text{CV} \leq 10\%$

## 4 Candida antigen & antibody tests can get positive results prior to blood culture for several days.



## 5 Clinical Performance

Combination of Antigen and Antibody Test



\* Clinical value of (1,3)- $\beta$ -D-glucan, mannan, antimannan IgG and IgM antibodies in diagnosis of invasive candidiasis. Medical Mycology, 2019, 0, 1-11

## 6 Guideline

ESCMID\* guideline for the diagnosis and management of Candida diseases 2012: diagnostic procedures

Summary of recommendations by Candida disease, specimen and test evaluated

Disease	Specimen	Test	Recommendation	Level of evidence
Candidaemia	Serum	Mannan/anti-mannan	Recommended	II
		B-D-glucan	Recommended	II
Invasive candidiasis	Serum	B-D-glucan	Recommended	II
Chronic disseminated candidiasis	Serum	Mannan/anti-mannan	Recommended	II
		B-D-glucan	Recommended	II

Clinical Infectious Diseases

IDSAGUIDELINE

IDSIA  
Infectious Diseases Society of America

hivma  
hiv medicine association

OXFORD

Clinical Practice Guideline for the Management of Candidiasis: 2016 Update by the Infectious Diseases Society of America

The best-studied test is a combined mannan/antimannan antibody assay, which is currently. Values for the combined assay were 83% and 86%, with best performances for *C. albicans*, *C. glabrata*, and *C. tropicalis* infections. approved for use in Europe. Clinical Infectious Diseases



**Dynamiker Biotechnology (Tianjin) Co., Ltd.**

**Add:** No.2 Building, Rongzhi Industry Park, No. 3667, Zhongbin Avenue, Sino-Singapore Eco-city, TEDA, Tianjin300467, China

**Tel:** + 86-22-25264212

**E-mail:** marketing@dynamiker.com

**Web:** www.dynamiker.com