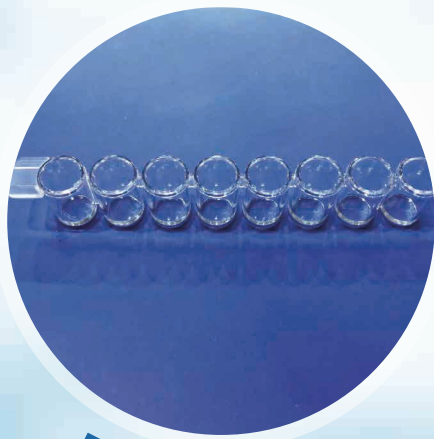




丹娜生物
DNK

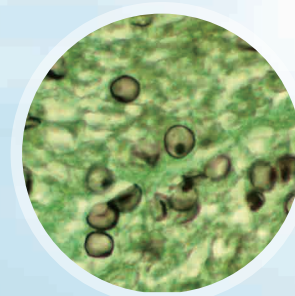
Catalogue No. DNK-1401-1



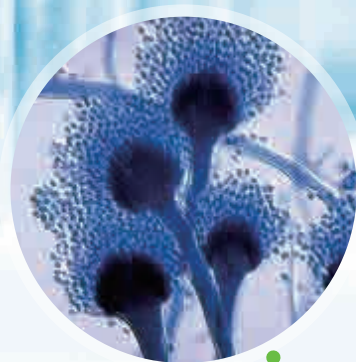
Flexible wells



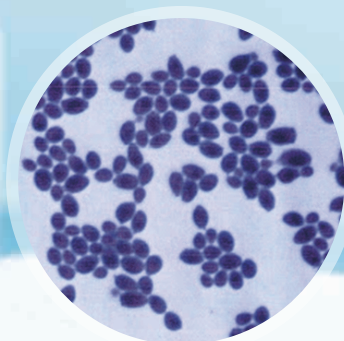
(1-3)-β-D-Glucan



PJP



Aspergillus



Candida

Dynamiker Fungus (1-3)-β-D-Glucan Assay

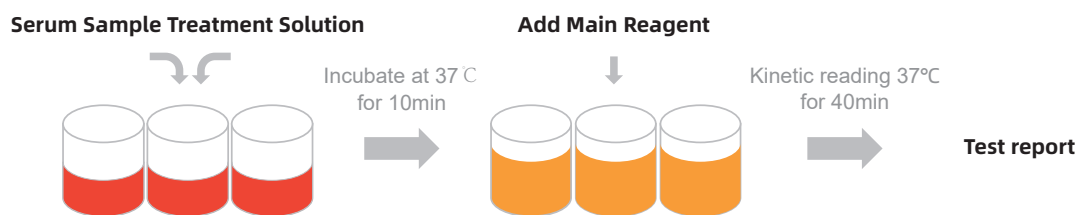
Breakable • Early • Sensitive • Time-efficient

- Panfungal Screening
- Breakable Plate
- Flexible: no need to pool 21 samples

- 1 Intended use
- 2 Specification
- 3 Test Procedure
- 4 Platform
- 5 Risk Factors
- 6 Clinical Performance

(1-3)- β -D-Glucan is the main cell wall component of most fungi, such as *Candida*, *Aspergillus* and *Fusarium*, etc. and does not exist in bacteria, virus or human cells. Fungus (1-3)- β -D-Glucan Assay is based on spectrophotometry for the quantitative detection of (1-3)- β -D-Glucan in human serum. It offers a diagnostic reference for invasive fungal diseases.

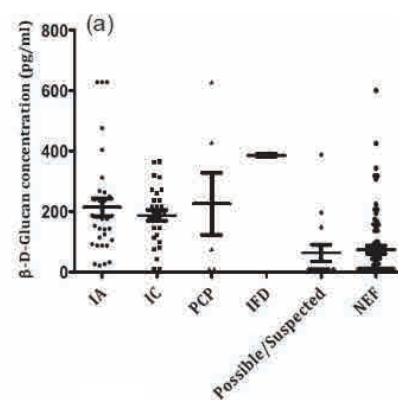
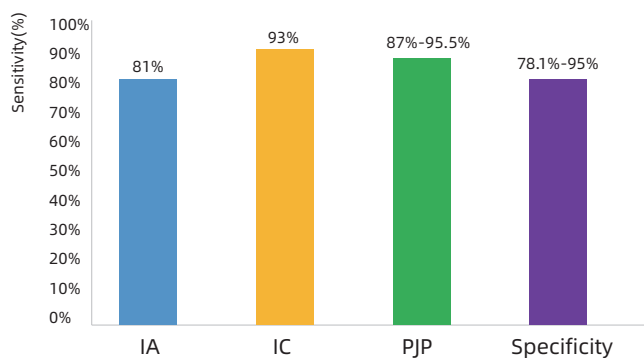
Specimen	Specification	Detection Range	Intra-assay CV	Inter-assay CV	Endotoxin Shielding
Serum	96 tests	37.5-600pg/ml	≤10%	≤12%	1.0 EU/mL



The BDG Assay is working on microplate reader with kinetic reading at 405nm and temperature control at 37°C. Recommended readers as below

No.	Brand	Model	Remark
1	Tecan	Sunrise	With incubator, kinetic reading at 405nm.
2	BioTek	ELX808iu	With incubator, kinetic reading at 405nm.

- Hematology/HSCT
- Immunosuppressive therapy
- AIDS
- Prolong Stay in ICU
- Oncology
- Long-term use of antibiotics/corticosteroids
- Transplantation
- COPD



IA: Invasive Aspergillosis | IC: Invasive Candidiasis | PJP: Pneumocystis jirovecii Pneumonia

*White PL, et al: An evaluation of the performance of the Dynamiker® Fungus (1-3)- β -D-Glucan Assay to assist in the diagnosis of invasive aspergillosis, invasive candidiasis and Pneumocystis pneumonia. *Med Mycol.* 2017 Nov 1;55(8):843-850;

*Shabaan AE, et al: Role of serum 1,3 β -d-glucan assay in early diagnosis of invasive fungal infections in a neonatal intensive care unit. *J Pediatr (Rio J).* 2017.



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