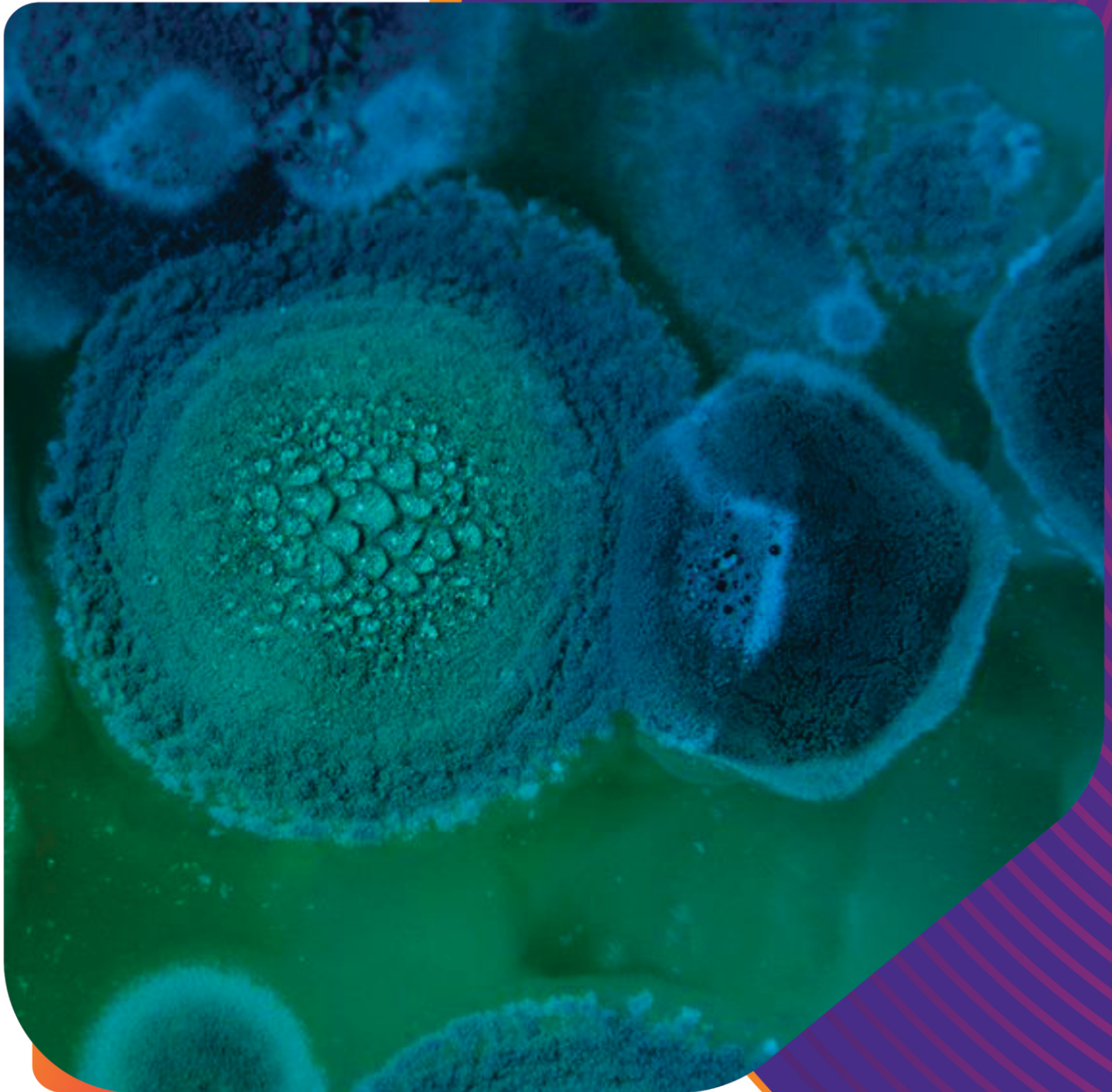




Neuberg
DIAGNOSTICS

• India • UAE • South Africa • USA

Neu INSIGHTS



Fungisure

One stop solution for Microbiology

Serial number : 014 Edition : 1. 2022



Tests for Fungal Infection

01

Microbiological Tests

KOH Examination

Calcofluor white stain

Fungisure (Fungal) culture

Advanced Fungisure Identification by MALDI TOF

Fungisure MIC Sensitivity

02

Serological Tests

Fungitell (1-3, Beta-D-Glucan) assay

Aspergillus antigen (Galactomannan)

03

Molecular Tests

Pneumocystis jirovecii (PCP) PCR

Mucorsure (Mucorales) PCR

Microbiological Tests



Specimen type:

Any specimen except blood and bone marrow

KOH Examination

Microscopic detection of fungal infection

Calcofluor white stain

Special stain
Fluorescent Microscopic highly sensitive detection method

Fungisure (Fungal) culture

Fungisure Conventional culture



Indication

For detection and growth of any Yeast (Candida, Cryptococcus etc.) or Mould (Aspergillus, Mucor, Dermatophytes etc.)



Sample Type

Skin, Hair, Pus, Tissue, Sputum, BAL, Thick fluid, Any other specimen except blood and bone marrow



TAT

2 weeks

Fungisure Bactec automated culture



Indication

For Detection and growth of Yeast or hyphal fungus from blood and fluids



Sample Type

Blood, Bone marrow, sterile site body fluids, Pus, Tissue



TAT

2 weeks

Advanced Fungisure Identification by MALDI TOF

MALDI TOF is Highly accurate, rapid and advanced Mass spectrometry based identification system



Indication

Identification of yeast, hyphal fungus up to species level for accurate management of fungal infection.



Sample Type

Cultured growth of Yeast or Hyphal fungus



TAT

1-4 hours for Yeast;
48 hours for Hyphal fungus

Fungisure MIC Sensitivity



Indication

Fungal susceptibility testing of Candida, Cryptococcus, Aspergillus, Penicillium by Micro broth dilution method



Specimen

Pure culture growth of Yeast or Hyphal fungus



TAT

2-3 days

List of Antifungals tested:

Anidulafungin

Micafungin

Caspofungin

Flucytosine

Posaconazole

Voriconazole

Itraconazole

Fluconazole

Amphotericin-B



Serological Tests

Fungitell (1-3, Beta-D-Glucan) assay



Indication
For diagnosis of
Invasive fungal
infections



Sample Type
Serum
(Serum separator tube)



TAT
Batch on Wednesday &
Saturday; report by 7pm
of respective batch day

Aspergillus antigen (Galactomanan)

For diagnosis of Invasive Aspergillus infection



Method
ELISA



Sample Type
Serum
(Serum separator tube)



TAT
5 hours

Molecular Tests

Pneumocystis jirovecii (PCP) PCR



Sample Type
BAL (Bronchoalveolar lavage),
Bronchial wash,
Sputum, Tissue



TAT
24 hours

Mucorsure (Mucorales) PCR

Molecular detection of Mucorales like Mucor, Rhizopus etc.



Sample Type
Serum, body fluids,
pus, tissue



TAT
24 hours

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