



Reference: PA6127

Technical Data Sheet

Product: **Sabouraud 2% Dextrose Agar**

Specification

Solid medium used for the isolation, identification and maintenance of pathogenic dermatophytes.

Presentation

20 Prepared Plates
90 mm
with: 21 ± 2 ml

Packaging Details

1 box with 2 packs of 10 plates/pack. Single cellophane..

Shelf Life

3 months

Storage

2-14 °C

Composition

Composition (g/l):

D(+)-Glucose.....	20.0
Peptone from casein	5.00
Meat Peptone.....	5.00
Agar.....	15.0

Description /Technique

The formulation of Sabouraud 2% Dextrose Agar corresponds to the modification of Janke in the classic Sabouraud medium for the cultivation of fungi. It has been lowered glucose concentration to allow adequate culture and differentiation of pathogenic dermatophyte as morphological and cultural aspects more regularly maintained.

Unlike modifying Emmons, in this formulation the selectivity is maintained due to its low pH, which with incubation at relatively low temperatures (ambient 28 ° C), promotes growth of fungi while hampers bacteria. In addition, the special composition of peptone, is studied to supply all nitrogen nutrient requirements to fungi.

The sample is collected and processed according to the protocol established by each laboratory for each product, following his own rules and standards and/or institutional, national or international laws.

The inoculated medium is incubated in a humid atmosphere, at room temperature or up to 20-25 ° C. Under these conditions dermatophytes develop in 5-10 days and other fungi form colonies between the third and fourth day.

Quality control

Physical/Chemical control

Color : Straw-coloured yellow pH: 5.6 ± 0.2 at 25°C

Microbiological control

Inoculate: Practical range 100 ± 20 CFU. Min. 50 CFU (Productivity).

Microbiological control according to ISO 11133:2014/A1:2018.

Aerobiosis. Incubation at 20-25 °C. Reading at 2-3 days up to 5 days.

Microorganism

Candida albicans ATCC® 10231, WDCM 00054

Aspergillus brasiliensis ATCC® 16404, WDCM 00053

Trichophyton mentagrophytes ATCC® 9533

S. cerevisiae ATCC® 9763, WDCM 00058

Growth

Good (≥ 50 %)

Good (≥ 50 %)

Good

Good (≥ 50 %)

Sterility control

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

Bibliography

- JANKE, D. (1961) Pilznährboden nach Sabouraud, modifiziert Merck, ein neuer Trockennährboden zur Züchtung von Dermatophyten. Zschr. Haut- u. Geschl. - Krankh, 15:188-193.
- SABOURAUD, R. (1910) Les Teignes. Masson et Cie, Paris, Francia.

