

SABOURAUD-4 % Dextrose Agar

This medium complies with the recommendations of the harmonized method in the European Pharmacopeia 5.6 and the United States Pharmacopeia 29 (Microbial examination of non-sterile products: Tests for specified microorganisms).

Typical Composition (g/litre)

Peptone from casein 5.0; peptone from meat 5.0; D(+)glucose 40.0; agar-agar 15.0.

Preparation

Suspend 65 g/litre, autoclave (15 min at 121 °C).

■ Do not overheat.

pH: 5.6 ± 0.2 at 25 °C.

The plates are clear and yellowish-brown.

Experimental Procedure and Evaluation

The plates are inoculated with sample material according to the instructions. The fungi colonies which have grown are judged macro- and microscopically.

Incubation: up to 7 days at 28 °C aerobically.

Literature

European Pharmacopeia 5.6, Chapter 2.6.13 B (Harmonized Method) (2006).

United States Pharmacopeia 29-NF 24, Chapter <62> (2006).

Ordering Information

Product	Merck Cat. No.	Pack size
SABOURAUD-4 % Dextrose Agar	1.05438.0500	500 g
SABOURAUD-4 % Dextrose Agar	1.05438.5000	5 kg



Trichophyton rubrum

Quality control

Test strains	Growth
Trichophyton mentagrophytes ATCC 18748	fair / very good
Trichophyton rubrum ATCC 28188	fair / good
Microsporum gallinae ATCC 12108	fair / very good
Trichophyton ajelloi ATCC 28454	fair / good
Microsporum canis ATCC 36299	good / very good
Geotricum candidum DSMZ 1240	good / very good
Aspergillus niger ATCC 16404	good / very good
Penicillium commune ATCC 10428	good / very good

Quality control (spiral plating method)

Test strains	Inoculum (cfu/ml)	Recovery rate %
Candida albicans ATCC 10231	10-100	≥ 70
Aspergillus niger ATCC 16404	10-100	≥ 50