

Sabouraud-Dextrose-Agar acc. to EP/USP/JP with LTH (SAB-LTH)

Recommended by the Harmonised European Pharmacopoeia, supplemented with Lecithin, Polysorbate 80 (Tween 80) and L-Histidine

Shorthand symbol:	SAB-LTH
Item number:	40-1532
Format:	Petri Dish, 90mm
Colour:	Yellowish
Storage conditions:	Dry, in closed bag, at 15 – 22°C.
Shelf-life:	6 Months
pH:	5.6 ± 0.2 at 25°C



Intended use and fields of application

Sabouraud-Dextrose-Agar is an universal nutrient medium used for the isolation and cultivation, enumeration of yeast and moulds and dermatophyta. Sabouraud Dextrose Agar is supplemented with 4% Dextrose in order to promote the growth of the microorganisms. The low pH promotes spore development and pigment formation in yeasts and fungi which in addition, inhibits the growth of bacteria. Thus SAD is a selective growth medium.

This Nutrient medium meets the requirements for the methods of the EP/USP/JP. The use of Sabouraud Dextrose Agar is recommended for the analysis of *Candida albicans* in non-sterile pharmaceuticals.

The addition of Lecithin, Tween 80 and Histidine components neutralises the inhibitory effects of aldehydes, phenols, hexachlorophene, chlorhexidine, formaldehyde and quarternary ammonium compounds used for preservatives, cleaning and disinfection agents.

Typical composition in g/l

in g per 1 Litre of Nutrient medium

Pancreatic-digest of Casein peptone	5.0
Peptic-digest of Beef Peptone	5.0
Dextrose	40.0
Lecithin	0.7
Tween 80	5.0
Histidine	0.5
Agar	15.0

*Adjusted as required to meet performance standards

Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements of Pharm. Eur. (Microbiological Examination of non-sterile products according to Chapter 2.6.13).

Productivity

Incubation conditions: 2–3 days at 30–35°C; Inoculum concentration: 10–100 CFU

Organism	Type Strain	Specification	Colony morphology
Candida albicans	ATCC 10231/WDCM 00054	50–200 %	Whitish, dry colonies
Aspergillus brasiliensis	ATCC 16404/WDCM 00053	50–200 %	Brown, black conidia on mycelium
Candida albicans (3–5 days, 20–25°C)	ATCC 10231/WDCM 00054	50–200 %	Whitish, dry colonies
Aspergillus brasiliensis (3 – 5 Tage, 20 – 25 °C)	ATCC 16404/WDCM 00053	50–200 %	Brown, black conidia on mycelium

Microbial Contamination

Incubation conditions: 5–7 days at 20–25°C and 5–7 days at 30–35°C

Specification

No microbial contamination