Malt Extract Agar

(Wort Peptone Agar)

TN1267 500 g

Intended use
Used for the detection, isolation and determination of the germ count of yeasts and fungi in food and other test materials. Microbiological quality control is carried out in accordance with ISO 11133 specifications in an EN ISO/IEC 17025 accredited test laboratory.

Form
Powder

Colour
Beige

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
5 Jahre

Typical composition

Malt extract	30.0
Peptone	5.0
Agar	15.0

Directions
Suspend 50 g in 1 litre distilled water and heat until completely dissolved. Autoclave for 15 minutes at 121 °C. If it is desired to adjust the reaction to pH 3.5, cool down to approx. 50 °C and add sterile-filtrated 10 % (w/v) lactic acid solution or 5 % (w/v) tartaric acid solution. Once adjusted, the medium must not be reheated!

Final pH at 25 °C
5.4 ± 0.2

Microbiological quality control
Incubation: aerobically, 40-72 h at 20-25 °C

Test strain	CFU/plate	Recovery Test/Inoculum in %*)	Colony morphology
Candida albicans ATCC 10231 WDCM 00054	80-120	≥ 70 %	white colonies
Aspergillus brasiliensis ATCC 16404 WDCM 00053	80-120	≥ 70 %	white-black colonies
Saccharomyces cerevisiae ATCC 9763 WDCM 00058	80-120	≥ 70 %	white colonies
Escherichia coli ATCC 8739 WDCM 00012	80-120	≥ 70 %	yellowish colonies

*) Reference medium used: Sabouraud Agar and Blood Agar
A recovery rate of e.g. ≥ 70 % corresponds to a productivity ratio of $P_R \geq 0.7$.

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