

Reference: 0821

Technical Data Sheet

Product: Malt Extract Agar Acidified

Specification

Medium for detection, isolation and enumeration of fungi, particularly yeast and moulds, also from air and water samples.

Presentation

Shelf Life Storage **Packaging Details** 20 Prepared Plates 90 mm 2-25 ºC 3 months 1 box with 2 packs of 10 plates/pack. Single cellophane. with: 21 ± 2 ml

Composition

Composition (g/l):	
Malt extract	30.00
Soy peptone	3.00
Agar	15.00

Description / Technique

Description:

Malt Extract Agar may support the growth of almost all of the fungi very well, because of its balanced composition, and restrains most of the bacteria due to the strong acidity.

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results.

Incubate the plates right side up aerobically at 20-25 °C for up 5/7 days.

(Incubation times longer than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications,...)

After incubation, enumerate all the colonies that have appeared onto the surface of the agar.

Each laboratory must evaluate the results according to their specifications.

Calculate total microbial count per ml of sample by multiplying the average number of colonies per plate by the inverse dilution factor if streaked a diluted sample. Report results as Colony Forming Unit (CFU's) per ml or g along with incubation time and temperature.

Quality control

Physical/Chemical control

Color: yellow pH: 4.3 ± 0.2 at 25°C

Microbiological control

Membrane Filtration; Practical range 100 ± 20 CFU. min. 50 CFU (productivity).

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

Aerobic.Incubation at 22.5 ± 2 °C 3-5 days (moulds and yeast).

Microorganism

Aspergillus brasiliensis ATCC® 16404 Candida albicans ATCC® 10231, WDCM 00054

Growth

Good (≥70%) Good (≥70%)

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.

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