

Reference: 0831 Technical Data Sheet

Product: Malt Extract + Chloramphenicol Agar

## **Specification**

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

#### **Presentation**

20 Prepared Plates	Packaging Details	Shelf Life	Storage
90 mm	1 box with 2 packs of 10 plates/pack. Single	3,5 months	2-14°C
with: 21 ± 2 ml	cellophane.		

#### Composition

Comp	osition	(g/l):

Malt extract	30.00
Soy peptone	
Cloramphenicol	
Agar	

## **Description / Technique**

Malt Extract + Cloramphenical Agar promotes the growth of almost all fungi because of its balanced composition, and its ability to inhibit bacteria to the addition of antibiotic.

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

Spread the plates by streaking methodology or by spiral method. Incubate the plates up aerobically at 25-30 °C for up 5 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:  $5.5 \pm 0.2$  at  $25^{\circ}$ C

#### Microbiological control

Spiral Spreading: Practical range 100±20 CFU; Min. 50 CFU (Productivity) / 10<sup>4</sup>-10<sup>6</sup> CFU (Selectivity).

Aerobiosis. Incubation at 22.5 ± 2°C during up to 5 days for yeast and moulds

Microorganism		Growth	
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S. cerevisiae ATCC® 9763, WDCM 00058 Good (  $\geq$  50 %) Candida albicans ATCC® 10231, WDCM 00054 Good (  $\geq$  50 %) Aspergillus brasiliensis ATCC® 16404, WDCM 00053 Good (  $\geq$  50 %) Bacillus subtilis ATCC® 6633, WDCM 00003 Inhibited Escherichia coli ATCC® 8739, WDCM 00012

#### **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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