

## 97218 Malt Extract Agar, modified

Recommended for isolation, detection and enumeration of yeasts and molds.

### Composition:

Ingredients	Grams/Litre
Peptic Digest of Animal Tissue	0.78
Maltose	12.75
Dextrin	2.75
Agar	15.0
Final pH 4.7 +/- 0.2 at 25°C	

Store prepared media below 8°C, protected from direct light. Store dehydrated powder in a dry place in tightly-sealed containers at 2-25°C.

Appearance: Yellow colored, homogeneous, free flowing powder.

Gelling: Firm

Color and Clarity: Yellow colored, very slightly opalescent gel forms in petri dishes.

### Directions:

Suspend 31.28 g of Malt Extract Agar, Modified in 1000 ml of distilled water and add 2.35 g of glycerol (Cat. No. 49767). Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes. AVOID OVERHEATING! The low pH (4.7) of the medium may catalyze the hydrolysis of the agar during prolonged heating, resulting in a softer gel or failure of the agar to gel.

### Principle and Interpretation:

The peptic digest of animal tissue provides essential growth nutrients for the growth of fungi. Maltose and dextrin are suitable carbohydrates for the growth of fungi. The low pH inhibits bacterial growth.

Cultural characteristics after 40-48 hours at 25-30°C.

Organisms (ATCC)	Growth
<i>Aspergillus niger</i> (16404)	+++
<i>Candida albicans</i> (10231)	+++
<i>Saccharomyces cerevisiae</i> (9763)	+++

### References:

1. Thom and Church, The Aspergilli (1926).
2. Atlas, R.M., in Handbook of Microbiological Media, Parks, L.C., ed., CRC Press (Ann Arbor, MI: 1993).
3. American Type Culture Collection, Manassas, Va., U.S.A.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

