

## PRODUCT INFORMATION

Malt Agar

Cat. No. M13-112

### DESCRIPTION

Malt Extract Agar is used for the isolation, cultivation and enumeration of yeasts and molds from foods.

It is particularly suitable for yeasts and molds as it contains a high concentration of maltose and other saccharides as energy sources. Dextrin and glycerin are the carbon sources, and peptone is a nitrogen source. Bacteriological agar is the solidifying agent. The acidic pH of the Malt Extract Agar is optimum for the growth of yeasts and molds whilst restricting other bacterial growth.

Malt Extract Agar has been used for years to cultivate fungi and yeast cultures in the sugar industry, in the manufacturing of syrups, soft drinks, and other drinks.

### FORMULA (g/L)

Bacteriological agar	15.0 g	Malt extract	30.0 g
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Final pH: 5.5 ± 0.2 at 25 °C

\*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

### PREPARATION

Suspend 45 grams of the medium in one liter of distilled water. Mix well and dissolve by heating with frequent agitation. Boil for one minute until complete dissolution. DO NOT OVERHEAT. Sterilize in autoclave at 118 °C for 10 minutes. Cool to 45-50 °C, mix well and dispense into plates.

### QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and beige.
2. Visually the prepared medium is amber and slightly opalescent, without rests.
3. Expected cultural response after 18-48 hours at 30 °C ± @°C.

ORGANISM	RESULT
<i>Candida albicans</i> ATCC 10231	Good Growth
<i>Aspergillus brasiliensis</i> ATCC 16404	Good Growth
<i>Microsporum audouinii</i> ATCC 42558	Good Growth
<i>Microsporum canis</i> ATCC 36299	Good Growth
<i>Penicillium roquefortii</i> ATCC 10110	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9763	Good Growth
<i>Trichophyton mentagrophytes</i> ATCC 9533	Good Growth

### STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 25°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.