

Yeast Malt (YM) Broth



Medium used for the isolation and cultivation of fungi, yeast and other aciduric microorganisms.

• CONTENTS (Liter)

Peptones	5.0 g
Yeast Extract	3.0 g
Malt Extract	3.0 g
Dextrose	10.0 g
Final pH = 6.2 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 21.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45-50°C in water bath. Do not heat the medium after addition of acids for preparing a selective medium that pH 3.0-4.0. Mix well. Dispense in tubes. If necessary, dispense the medium before autoclave.

• INTERPRETATION

Yeast Malt (YM) Broth is a medium used for the isolation and cultivation of fungi, yeast and other aciduric microorganisms. Peptones are source of carbon, nitrogen and essential nutrients. Yeast extract provide vitamin B complex nutrients and other growth factors. Malt extract provide an additional source of carbon. Dextrose is the carbohydrate and energy source. Add the sterile 10% Lactic Acid or 10% HCl, tartaric acid or 10% citric acid for acidified of the medium to increase the selectivity. Acidified medium should not be reheated.

• TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. Incubate at 25 - 30°C for 40 - 72 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: clear with no precipitate.

Color: light amber.

Incubation conditions: 25 - 30°C / 40 - 72 hours

Microorganism	ATCC	Inoculum CFU	Growth at pH 3.0-4.0	Growth at pH 6.2
<i>Candida albicans</i>	10231	50-100	good	good
<i>Aspergillus niger</i>	16404	50-100	good	good
<i>Saccharomyces cerevisiae</i>	76625	50-100	good	good
<i>Escherichia coli</i>	25922	≥10 ³	inhibited	good

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. Atlas and Park (1993) Handbook of Micr. Media

• PACKAGE

Cat. No : MB-Y2293 Yeast Malt (YM) Broth	500 G
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• MICROBIAL CULTURE IMAGES



Incubation conditions : 35±2°C 40-48h