Yeast Extract Broth

Medium used for the enumeration of microorganisms in water.

• CONTENTS (Liter)

Peptone	6.0 g
Yeast Extract	3.0 g

Final pH = 7.2 ± 0.2 at 25°C.

• PROCEDURE

Suspend 9.0 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. Mix well. Dispense in tubes.

• INTERPRETATION

Yeast Extract Broth is a medium used for the enumeration of microorganisms in water. Peptone and yeast extract provide nitrogen, carbon, amino acids and minerals.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 35 ± 2°C for 18 - 24 hours or 20 ± 2°C for 3 days. 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: 35 ± 2°C / 42 - 48 hours or 20 ± 2°C / 3 days

Microorganism	ATCC	Inoculum CFU	Growth
Staphylococcus aureus	25923	50-100	good
Escherichia coli	25922	50-100	good
Candida albicans	10231	50-100	good
Aspergillus niger	16404	50-100	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.

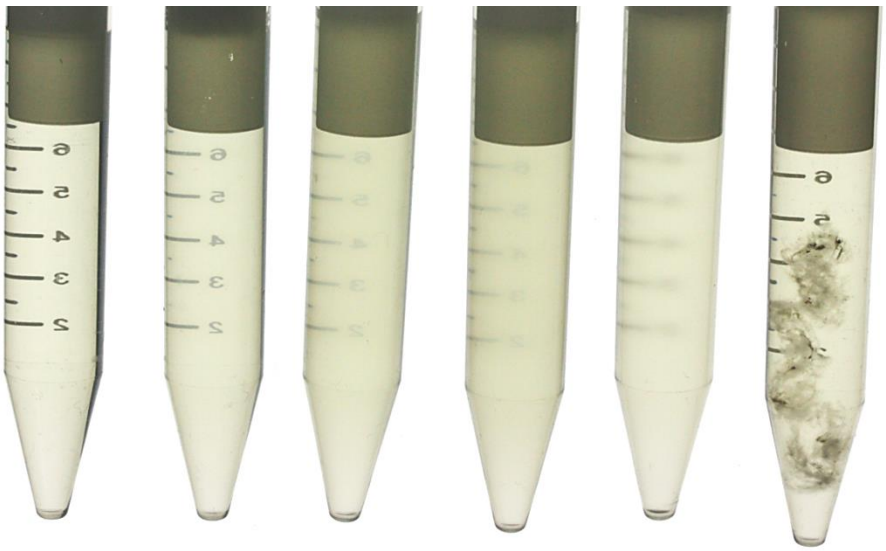
• REFERENCES

1. International Organization for Standardization: 1999. Water Quality – Enumeration of culturable microorganisms – Colony count by inoculation in a nutrient agar culture medium. International Standard ISO: 6222.
2. Windle Taylor (1958). The Examination of Waters and Waters Supplies. 7th ed. pp 394-398 and 778.

• PACKAGE

Cat. No : MB-Y0662 Yeast Extract Broth	500 G

• MICROBIAL CULTURE IMAGES



None | *S.aureus* ATCC 25923 (100CFU) | *S.cerevisiae* ATCC 76625 (100CFU) | *E.coli* ATCC 25922 (100CFU) | *C.albicans* ATCC 10231 (100CFU) | *A.niger* ATCC 16404

Incubation conditions : 35±2℃ 44h or 25±1℃ 48-72h

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