

Eugon Broth

Medium used for the cultivation and enumeration of a wide variety microorganisms.

• CONTENTS (Liter)

Proteose Peptone No. 3	7.5 g
Pancreatic Digest of Casein	7.5 g
Soy Peptone	5.0 g
Dextrose	5.5 g
L-Cystine	0.7 g
Sodium Chloride	4.0 g
Sodium Sulfite	0.2 g
Final pH = 7.0 ± 0.2 at 25°C	

• PROCEDURE

Suspend 30.4 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. Pour into tubes.

• INTERPRETATION

Eugon Broth is a medium used for the cultivation and enumeration of a wide variety microorganisms. Proteose peptone no.3, pancreatic digest of casein and soy peptone are the carbon, nitrogen and vitamin sources. Dextrose is a fermentable carbohydrate. L-cystine and sodium sulfite improve the growth of microorganisms. Sodium chloride maintains the osmotic balance.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 35 ± 2°C (*30 ± 2°C) for up to 72 hours under appropriate condition. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

Prepared medium

Appearance: clear

Color: light amber

Incubation conditions: 35 ± 2°C (*30 ± 2°C) / up to 72 hours under appropriate condition

Microorganism	ATCC	Growth
* <i>Aspergillus brasiliensis</i>	16404	Fair to good
* <i>Candida albicans</i>	26790	good
<i>Escherichia coli</i>	25922	good
<i>Lactobacillus fermentum</i>	9338	good
<i>Pseudomonas aeruginosa</i>	27853	good
<i>Shigella flexneri</i>	12022	good
<i>Staphylococcus aureus</i>	25923	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. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Pelczar and Vera. 1949. Milk Plant Monthly. 38:30.
2. Vera. 1947. J. Bacteriol. 54:14.
3. U.S. Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. 1999. Biosafety in microbiological and biomedical laboratories, 4th ed. HHS Publication No. (CDC) 93-8395. U.S. Government Printing Office, Washington, D.C.

• PACKAGE

Cat. No : MB-E1328 Eugon Broth	500 G
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