

Product Name : Eugon Broth

Medium for cultivating a wide variety of microorganisms.

TYPICAL FORMULA (G/L)

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

DIRECTIONS

Suspend 30.4 G of powder in 1 L of distilled or deionized water. Heat to boiling until complete dissolution. Sterilize in autoclave at 121°C for 15 minutes. When an enriched medium is being prepared, cool to 50-55°C prior to adding the desired enrichment. Test samples of the finished product for performance using stable, typical control cultures.

DESCRIPTION

Eugon Medium (Broth) is a general-purpose medium used for the cultivation of fastidious and nonfastidious bacteria from a variety of clinical and nonclinical specimens.

TECHNIQUE

Prepare the medium per label directions. Inoculate and incubate the medium unsupplemented at 35 ± 2°C (*Aspergillus niger* and *Candida albicans* at 30 ± 2°C) for up to 72 hours.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: clear.

Color: light amber.

Incubation conditions: 35 ± 2°C / up to 72 hours.

Microorganism	ATCC	Growth
<i>Aspergillus niger</i>	16404	fair to good
<i>Brucella abortus</i>	11192*	good
<i>Candida albicans</i>	26790	good
<i>Lactobacillus fermentum</i>	9338	good
<i>Shigella flexneri</i>	12022	good
<i>Streptococcus pyogenes</i>	19615	good

* If this strain is not available, verify performance with a known isolate.

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STORAGE

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 2-6°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.

PACKAGING

Cat. No : MB-E1328 Eugon Broth	500 G
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