

# Eugon Agar



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
Agar	15.0 g
Final pH = 7.0 ± 0.2 at 25°C	

## • PROCEDURE

Suspend 45.4 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 petri dishes.

## • INTERPRETATION

Eugon Agar 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. Agar is the solidifying agent.

## • TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 35 ± 2°C (\*30 ± 2°C) for 18 - 48 hours under appropriate condition. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

### Prepared medium

Appearance : clear to slightly opalescent

Color: light amber

Incubation conditions: 35 ± 2°C (\*30 ± 2°C) / 18 - 48 hours under appropriate condition

Microorganism	ATCC	Inoculum CFU	Growth
* <i>Aspergillus niger</i>	16404	heavy	good
<i>Brucella abortus</i>	NCCP 10040	50-100	good
* <i>Candida albicans</i>	10231	50-100	good
<i>Lactobacillus fermentum</i>	9338	50-100	good
<i>Shigella flexneri</i>	12022	50-100	good
<i>Streptococcus pyogenes</i>	19615	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. Store prepared medium at 2 - 8°C.

**• REFERENCES**

1. Pelczar and Vera. 1949. Milk Plant Monthly 38:30.
2. MacFaddin. 1985. Media for isolation-cultivation-identification-maintenance of medical bacteria, vol. 1. Williams & Wilkins, Baltimore, Md.
3. Niven. 1949. J. Bacteriol. 58:633.

**• PACKAGE**

Cat. No : MB-E1327 Eugon Agar	500 G
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