

# EEC Agar

Medium used for the screening of residual antibiotics in foods.

## • CONTENTS (Liter)

Peptone	6.9 g
Sodium Chloride	5.1 g
Monopotassium Phosphate	1.0 g
Agar	13.0 g
Final pH = 8.0 ± 0.2 at 25°C.	

## • PROCEDURE

Suspend 26.0 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 petri dishes.

## • INTERPRETATION

EEC Agar is a medium used for the screening of residual antibiotics in foods. Peptone provides nitrogen, carbon, vitamins and minerals for growth of microorganisms. Sodium chloride maintains the osmotic balance. Monopotassium phosphate is buffering agent. Agar is the solidifying agent.

## • TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 30 ± 2°C for 16 - 18 hours. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

### Prepared medium

Appearance: opaque.

Color: light amber.

Incubation conditions: 30 ± 2°C / 16 - 18 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Kocuria rhizophila</i>	9341	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. Sung Hee JUNG, Jin Woo KIM and Sang-Gyu SOHN, Comparison of Detectable Levels for Screening Residual Antibacterial Agents by Bioassay 257-258.

**• PACKAGE**

Cat. No : MB-E0993 EEC Agar	500 G
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