

# CN (Cetrimide) Agar



Medium used for the isolation and cultivation of *Pseudomonas aeruginosa*.

\*Equally use with KP (MB-C2137P), USP, EP and Pseudomonas (Cetrimide) Agar (MB-P1041).

## • CONTENTS (Liter)

Gelatin Peptone	20.0 g
Magnesium Chloride	1.4 g
Dipotassium Sulfate	10.0 g
Cetrimide	0.3 g
Agar	13.6 g
Final pH = 7.2 ± 0.2 at 25°C	

## • PROCEDURE

Suspend 45.3 G of powder in 1 L of distilled or deionized water. Add 10 mL of Glycerol supplement (MB-G1821). Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Pour into petri dishes.

## • INTERPRETATION

CN (Cetrimide) Agar is a medium used for the isolation and cultivation of *Pseudomonas aeruginosa*. Gelatin peptone provides nitrogen, carbon and nutrients. Magnesium chloride and dipotassium sulfate promote production of pigment. Cetrimide inhibits the growth of many microorganisms except *Pseudomonas* spp. Agar is the solidifying agent.

## • TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 30 - 35°C for 18 - 48 hours up to 72 hours. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

### Prepared medium

Appearance: slightly opalescent

Color: light amber

Incubation conditions: 30 - 35°C / 18 - 48 hours up to 72 hours

Microorganism	ATCC	Inoculum CFU	Growth	Characteristics
<i>Pseudomonas aeruginosa</i>	9027	50-100	good	yellow-green colonies
<i>Escherichia coli</i>	8739	≥10 <sup>3</sup>	inhibited	-
<i>Enterococcus faecalis</i>	29212	≥10 <sup>3</sup>	inhibited	-

## • 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. Lowbury and Collins (1955) J. Clin. Pathol. 8:47.
2. King, Ward and Raney. 1954. J. LabClin. Med. 44:301.
3. Lowbury. 1951. J. Clin. Pathol. 4:66.
4. Brown and Lowbury. 1965. J. Clin. Pathol. 18:752.
5. Kiska and Gilligan. 1999. In Murray, Baron, Pfaller, Tenover and Tenover (ed.), Manual of clinical microbiology, 7<sup>th</sup> ed. American Society for Microbiology, Washington, D.C.
6. Refer to the KP, USP and EP.

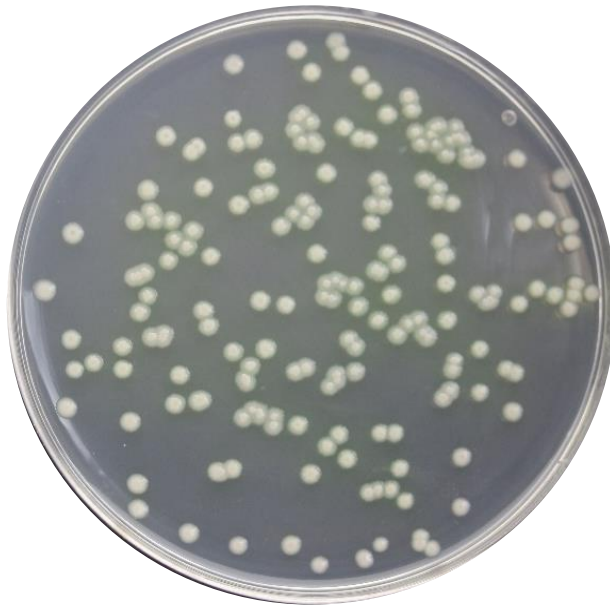
## • PACKAGE

Cat. No : MB-C2137 CN (Cetrimide) Agar	500 G
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## • MICROBIAL CULTURE IMAGES



None



*Pseudomonas aeruginosa* ATCC 9027

Incubation conditions : 30 - 35°C / 18 - 48 hours up to 72 hours