CETRIMIDE AGAR BASE No.2

A selective medium for isolation and identification of *Pseudomonas aeruginosa*. The Cetrimide (CN) agar fits to ISO 16266, the Cetrimid (CFC) agar fits to ISO 13720 and the Cetrimide (PP) agar fits to ISO 11059 standard.

Dehydrated media	
Code number:	500 g: CCT20500, 5 kg: CCT25000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,9 – 7,3

Direction for Cetrimide (CN) Agar No.2: Suspend **25 g** in 500 ml of distilled water. Add **5 ml of Glycerol Supplement (GLC80100)** and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the content of **one vial of Pseudomonas Selective Supplement, CN (PCN80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Direction for Cetrimide (CFC) Agar No.2: Suspend **25 g** in 500 ml of distilled water. Add **5 ml of Glycerol Supplement (GLC80100)** and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the content of **one vial of Pseudomonas Selective Supplement, CFC (CFC80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Direction for Cetrimide (PP) Agar No.2: Suspend **25 g** in 500 ml of distilled water. Add **5 ml of Glycerol Supplement (GLC80100)** and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the content of **one vial of Pseudomonas Selective Supplement, PP (PPP80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media bases:	100 ml: CCT30100, 500 ml: CCT30500
Plated Cetrimide (CN) agar No.2:	55 mm: CCT50055-01, 90 mm: CCT50090-01
Plated Cetrimide (CFC) agar No.2:	55 mm: CCT50055-02, 90 mm: CCT50090-02
Plated Cetrimide (PP) agar No.2:	55 mm: CCT50055-03, 90 mm: CCT50090-03
Colour:	Yellowish
pH (25 °C):	7,0 – 7,2

Direction: Supplement the melted bottled media bases according to the direction of the dehydrated media and dispense aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Gelatin peptone	16,0
Casein peptone	10,0
Potassium sulphate anhydrous	10,0
Magnesium chloride anhydrous	1,4
Agar	12,6

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	**Growth**	Incubation time: 24 h
Pseudomonas aeruginosa	ATCC 27853	Good growth, fluorescent green colonies	
Escherichia coli	ATCC 25922	Inhibited	

References: Lowbury and Collins (1955) J. Clin. Pathol. 8: 47.
ISO 16266:2008; ISO 13720:2011; ISO 11059:2009

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