

AEROMONAS AGAR BASE

Basal medium for selective isolation of *Aeromonas spp* from clinical and environmental samples.

TYPICAL FORMULA	(g/l)
Proteose Peptone	5.0
Yeast Extract	3.0
L-Lysine Monohydrochloride	3.5
Sodium Chloride	5.0
L-Arginin Monohydrochloride	2.0
Inositol	2.5
Lactose	1.5
Sorbitol	3.0
Xylose	3.75
Bile Salt n°3	3.0
Sodium Thiosulphate	10.67
Ferric Ammonium Citrate	0.8
Bromothymol Blue	0.04
Thymol Blue	0.04
Agar	15.0

Final pH 8.0 ± 0.1 at 25°C.

DIRECTIONS

Suspend 29.4 g of powder in 500 ml of distilled or deionized water. Heat to boiling and gently shake until completely dissolved. DO NOT AUTOCLAVE. Cool to 45-50 °C. Aseptically add 1 vial of Ampicillin Supplement (2.5 mg/vial) (code 81001) rehydrated with 5 ml of sterile distilled water. Mix well and dispense into Petri dishes. Final medium will contain 5 µg / ml of Ampicillin.

DESCRIPTION

AEROMONAS AGAR BASE is a selective medium for the isolation of *Aeromonas spp* from clinical and environmental specimens. The presence of ampicillin allows the suppression of the background flora without decreasing *Aeromonas* recovery.

TECHNIQUE

Inoculate the plates with a suspension of food, feces etc., diluted to form single colonies on the inoculated plates. Incubate the plates aerobically at 30-35°C for 24 hours. If further incubation is required hold at room temperature (22-25 °C). Examine the plates for the presence of dark green opaque colonies with darker centers. Confirm the identity with biochemical tests.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: slightly opalescent.

Color: blue.

Incubation conditions: 30-35 °C for 24 hours.

Microorganism	ATCC	Growth	Colonies	appearance
<i>Escherichia coli</i>	25922	none		
<i>Aeromonas hydrophila</i>	7966	good	dark green,	darker center
<i>Klebsiella pneumoniae</i>	13883	good	orange	
<i>Pseudomonas aeruginosa</i>	27853	good	blue-grey,	translucent
<i>Staphylococcus aureus</i>	25923	none		
<i>Streptococcus faecalis</i>	19433	none		

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, 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 plates at 2-8°C.



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REFERENCES

1. Buchanan, R. L., and Palumb S.A. (1985). J. Food Saf. **7**: 15-29.
2. Havelaar, A.H., During, M., Versteegh, J.F.M. (1987). J. Appl. Bact. **62**: 279-287.
3. Ryan, N. (1985). In Handbook of Microbiological Media, 2nd ed.

PRESENTATION

Product	REF	Σ
AEROMONAS AGAR BASE (8.8 l)	610048	500 g
AEROMONAS AGAR BASE (1.7 l)	620048	100 g
AMPICILLIN supplement (2.5 mg / vial)	81001	10 vials

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	IVD <i>In Vitro</i> Diagnostic Medical Device
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source



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