

AEROMONAS AGAR BASE

A selective and differential medium for the isolation of *Aeromonas* spp.

Dehydrated media	
Code number:	500 g: AEA20500, 5 kg: AEA25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before sterilization (25 °C):	7,8 – 8,2

Direction: Suspend **30 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Cool to 50 °C and add aseptically the contents of **one vial of Aeromonas Selective Supplement (AES80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Warning!

The medium is heat sensitive. No further sterilisation is necessary or desirable.

Prepared media	
Bottled media bases:	100 ml: AEA30100, 500 ml: AEA30500
Plated media:	55 mm: AEA50055, 90 mm: AEA50090
Colour:	Greenish blue
pH (25 °C):	7,9 – 8,1

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

Peptones	9,00
Bile salt	3,00
L-Lysine	3,50
L-Arginine	2,00
Xylose	3,75
Sorbitol	3,00
Inositol	2,50
Lactose	1,50
Sodium thiosulphate	10,87
Sodium chloride	5,00
Ferric ammonium citrate	0,80
Bromothymol blue	0,04
Thymol blue	0,04
Agar	15,00

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
<i>Aeromonas hydrophila</i>	ATCC 7966	Good, opaque green colonies with dark centre	
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Tiny, translucent blue/green colonies	
<i>Escherichia coli</i>	ATCC 25922	Inhibited	

References: Ryan (1985) Personal communication

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