

ARGININE BROTH

A selective and differential medium for the cultivation of *Pseudomonas aeruginosa*.

Dehydrated media	
Code number:	500 g: ARB20500, 5 kg: ARB25000
Colour:	Beige
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	6,8 – 7,2

Direction: Suspend **35 g** in one litre of distilled water and heat gently to dissolve the medium completely. Dispense into final containers and sterilise by autoclaving at 121 °C for 15 minutes.

Prepared media	
Bottled media:	100 ml: ARB30100, 500 ml: ARB30500
Tubed media:	150 x 15 mm: ARB40010 (10 ml)
Colour:	Brownish
pH (25 °C):	6,9 – 7,1

Direction: Dispense the bottled media aseptically into sterile final containers. Media in tubes are ready to use.

FORMULA in g/l

Peptones	19,50000
L-Arginine	10,00000
Glucose	0,50000
Sodium chloride	5,00000
Brilliant green	0,00038
Cresol red	0,02000
Bromothymol blue	0,00750

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 and tubed media protected from light at room temperature. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 37 °C	Growth	Incubation time: 24 h
<i>Pseudomonas aeruginosa</i> ATCC 27853		Good, colour change to pink - violet	
<i>Escherichia coli</i> ATCC 25922		Good, colour change to yellow	

References: Schubert (1989) Zbl. Bakt. Hyg. B 187: 266.

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