

ASPARAGINE ENRICHMENT BROTH

Medium for *Pseudomonas aeruginosa* detection in pool and bathing waters.

TYPICAL FORMULA	(g/l)
DL-Asparagine	3.0
Dipotassium Hydrogen Phosphate	1.0
Magnesium Sulphate	0.5
Final pH = 7.0 ± 0.2 at 25 °C.	

DIRECTIONS

Suspend 4.5 g of powder in 1 liter of distilled or deionized water. Add 8 ml of glycerol, heat and shake until completely dissolved. Dispense into final containers. Sterilize in autoclave at 121 °C for 15 minutes.

DESCRIPTION

ASPARAGINE ENRICHMENT BROTH is a selective medium, recommended by APHA, for *Pseudomonas aeruginosa* detection in pool and bathing waters.

TECHNIQUE

Collect the specimen to be tested in bottles containing sodium thiosulfate (about 100mg / l of specimen) in order to neutralise the possible residual chlorine. Inoculate five containers with 10 ml, five with 1 ml and five with 0.1 ml of the sample into Asparagine Enrichment Broth. Incubate at 36 ± 1 °C for 48 hours. The presence of *P. aeruginosa* is shown by turbidity and a blue-green fluorescent pigment, observed with a long-wave ultraviolet light.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: cream to white.

Prepared medium

Appearance: clear.

Color: colorless.

Incubation conditions: 36 ± 1 °C for 48 hours.

Microorganism	ATCC	Growth	Characteristics
<i>Escherichia coli</i>	25922	partially inhibited	
<i>Pseudomonas aeruginosa</i>	27853	good	blue-green fluorescent pigment

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 media at 2-8 °C.


REFERENCES

1. APHA (1985). Standard methods for the examination of water and wastewater, 16th ed. 978-980.

PRESENTATION

Product	REF	Σ
ASPARAGINE ENRICHMENT BROTH (111.1l)	610138	500 g
ASPARAGINE ENRICHMENT BROTH (22.2 l)	620138	100 g

TABLE OF SYMBOLS

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