

## E.V.A. BROTH (*ETHYL VIOLET AZIDE*)

Selective medium for enterococci detection in water and other specimens.

TYPICAL FORMULA	(g/l)
Tryptose	20.0
Glucose	5.0
Dipotassium Phosphate	2.7
Monopotassium Phosphate	2.7
Sodium Chloride	5.0
Sodium Azide	0.4
Ethyl Violet	0.83 mg

Final pH = 7.0 ± 0.2 at 25 °C.

### DIRECTIONS

Suspend 35.8 g of powder in 1 liter of distilled or deionized water. Dispense into final containers.  
Autoclave at 121 °C for 15 minutes.

### DESCRIPTION

E.V.A. BROTH is used for detecting and confirming enterococci in water and other specimens as an indication of fecal contamination.

### TECHNIQUE

Incubate the inoculated tubes of Azide Dextrose Broth at 36 ± 1 °C for 24-48 hours. Transfer 3 loopfuls of microbial growth from the positive tubes into tubes containing 10 ml of E.V.A. Broth and incubate at 36 ± 1 °C for 24 hours.  
The presence of enterococci is shown by the clouding of the broth and the formation of a purple ring on the bottom of the tube.

### QUALITY CONTROL

#### Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

#### Prepared medium

Appearance: clear to very slightly opalescent.

Color: light amber.

Incubation conditions: 36 ± 1 °C for 18-24 hours.

Microorganism	ATCC	Growth
<i>Escherichia coli</i>	25922	inhibited
<i>Enterococcus faecalis</i>	29212	good
<i>Enterococcus faecalis</i>	19433	good

### PERFORMANCE AND LIMITATIONS

Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

### PRECAUTIONS

E.V.A. contains sodium azide. This substance is harmful by inhalation and if swallowed, irritating to eyes, respiratory system and skin. Consult safety data sheet for further details. Sodium azide reacts with many metals, especially copper, to produce explosive metal azides.

### STORAGE

The powder is very hygroscopic: store the powder below 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 tubes at 2-8 °C.



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## REFERENCES

1. Mallmann, W.L. (1950). Am. J. Pub. Health **40**:286.
2. Litsky, W., W.L. Mallmann, and C.V. Fifiield. (1953). Am. J. Pub. Health **43**:873.

## PRESENTATION

Product	REF	$\Sigma$
E.V.A. BROTH (13.9 l)	611365	500 g
E.V.A. BROTH (2.7 l)	621365	100 g

## TABLE OF SYMBOLS

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



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