

**ETHYL VIOLET AZIDE (EVA) BROTH**

Ready to use tubes

**INTENDED USE**

Ready to use selective medium for the detection of enterococci

**TYPICAL FORMULA (g/l)**

|                                |         |
|--------------------------------|---------|
| Tryptose                       | 20.00   |
| Sodium Chloride                | 5.00    |
| Glucose                        | 5.00    |
| Dipotassium Hydrogen Phosphate | 2.70    |
| Potassium Dihydrogen Phosphate | 2.70    |
| Sodium Azide                   | 0.40    |
| Ethyl Violet                   | 0.83 mg |

Final pH 7.0 ± 0.2

**DESCRIPTION**

Ethyl Violet Azide Broth is a selective medium for the detection of enterococci in water, as a faecal pollution indicators. It is used for the confirmatory test of enterococci, sub-culturing from the tubes of Azide Dextrose Broth. The medium is a modification of the original formula of Litsky et al. Together with ethyl violet, sodium azide makes the medium selective for enterococci by inhibiting all other Gram-positive and Gram-negative bacteria.

**TECHNIQUE**

1. Incubate the inoculated tubes of Azide Dextrose Broth at 37°C for 24-48 hours.
2. Transfer three loopfuls of microbial growth from the positive tubes of Azide Dextrose Broth, into tubes containing 10 ml of Ethyl Violet Azide Broth, and incubate for 24 hours at 37°C.
3. The presence of enterococci is shown by the clouding of the broth and the formation of a purple ring on the bottom of the tubes.

**STORAGE**

Store at 2-8° away from direct light - When stored as directed the tubed media remain stable until the expiry date shown on the label. Do not use beyond stated expiry date. Media should not be used if there are any signs of deterioration, discoloration or contamination.

**PRECAUTIONS**

For *in vitro* diagnostic use only. Observe approved biohazard precautions and aseptic techniques. To be used only by adequately trained and qualified laboratory personnel. Sterilize all biohazard waste before disposal.

**REFERENCES**

- APHA (1976), Standard Methods for the Examination of Water and Wastewater, 14th edition
- Litsky, W., Mallmann, W.L. & Fifield, C.V. (1953) Amer. J. Pub. Hlth. **43**, 873.

**PACKAGING****551485 EVA Broth,****20 x 10 ml ready to use tubes**