



## Ethyl Violet Azide Broth

**RDM-EVAB-01**

### Principle

Ethyl violet azide broth is composed of tryptose, dextrose, dipotassium phosphate, monopotassium phosphate, sodium chloride, sodium azide and ethyl violet. Tryptose provides nitrogen. Dextrose is carbon source. Dipotassium phosphate and monopotassium phosphate are buffering agents. Sodium chloride maintain osmotic balance. Sodium azide and ethyl violet inhibits gram-positive bacilli and gram positive cocci other than enterococci.

**Use:** Recommended for enumeration of enterococci in water samples as an indicator of fecal contamination.

### Contents\*

<b>Ingredients</b>	<b>Gram/Litre</b>
Tryptose	20.000
Dextrose	5.000
Dipotassium Phosphate	2.700
Monopotassium Phosphate	2.700
Sodium Chloride	5.000
Sodium Azide	0.400
Ethyl Violet	0.0008
pH at 25°C	7.0 ± 0.2

\* Formula adjusted for optimum performance and parameters

**Directions:** Dissolve 35.80 grams in 1000 ml distilled water. Boil to dissolve the medium completely and distribute aseptically. Sterilize by autoclaving at 15 lbs pressure (121 °C) for 15 min, cool it to 42-45 °C and inoculate test sample aseptically.

### Specimens types analyzed

Water samples etc.

### Precautions to be taken

These microbial media are intended for the in-vitro use only. All the handling, experiments, storage, and discarding should be performed with the help of skilled and knowledgeable technicians and as per the established guidelines. The material should be disposed only after proper sterilization by autoclaving. Please go through the MSDS of the media to avoid any accidents or in emergency.

### Performance and Evaluation

The expected performance of the medium is liable to use as per the direction on the label when stored at optimum conditions and within expiry date.

### Quality Control

<b>Appearance</b>	Light beige colored free flowing, homogeneous powder
<b>Reaction of 3.5% solution</b>	7.0 ±0.2 at 25 °C
<b>pH</b>	6.80- 7.20
<b>Color and clarity of ready medium</b>	Light amber colored opalescent solution
<b>Growth Promotion properties</b>	Best at ≤ 100 CFU at 32-37 °C for 18-72 h
<b>Indicative properties</b>	Optimum at ≤ 100 CFU at 32-37 °C for 18-48 h
<b>Negative control</b>	Performed using sterile distilled water

## Different Microbial Response

Organism	Inoculum	Inoculum	Growth	Incubation Temperature	Incubation period
<i>Enterococcus faecalis</i>	29212	50-100	Luxurious	33-37 °C	18-48 h
<i>Escherichia coli</i>	8739	50-100	Inhibited	33-37 °C	18-48 h

## Storage and Shelf Life

Hygroscopic; keep container tightly closed. Store in cool dry place.

**Disposal:** To avoid the contamination or propagation of any hazardous microbes the used, unusable or modified preparation of this product must be disposed after autoclaving after completion of task.

## Reference

1. Atlas, R. M. (2005). *Handbook of media for environmental microbiology*. CRC press.
2. *Difco Manual* (1998). 11<sup>th</sup> Edition. Difco Laboratories., Division of Becton Dickinson and Company, Sparks, Maryland, USA.

## Disclaimer

The information contained in the technical data sheet is to the best of our knowledge is accurate and true based on the research and development work carried out by **ReadyMED**<sup>®</sup>, Chaitanya Agro Biotech, Malkapur, Maharashtra. The products are neither intended for any therapeutic use for animal or human nor for any other *in-vivo* applications. The **ReadyMED**<sup>®</sup> products are only meant to be used for the laboratory, diagnostic, research, or further manufacturing purpose only. These technical outcomes should not be considered as the warranty of any kind expressed or implied, and no liability is accepted for infringement of any patent.

---

**CHAITANYA AGRO BIOTECH PVT. LTD.** An ISO 11134:2014, ISO 13485:2016, ISO 9001:2015 CE, CIN NO.: U24210MH1995PTC095220S,  
S. No. 120/2, Laxmi Nagar, Umbarnala Road, Malkapur-443101, Dist.: Buldana (M.S.) India. Customer Care +91- 8669083859  
[rdmsales@chaitanyagroupindia.com](mailto:rdmsales@chaitanyagroupindia.com), [mkt.cabt@chaitanyagroupindia.com](mailto:mkt.cabt@chaitanyagroupindia.com), [www.chaitanyagroupindia.com](http://www.chaitanyagroupindia.com)