

## TMV 1222 – LIQUOID BROTH (VEG.)

### INTENDED USE

For testing blood samples from bacteremic cases.

### PRODUCT SUMMARY AND EXPLANATION

This medium has Veg infusion, Veg special infusion and Veg peptone No.3 of vegetable sources in place of Beef heart infusion, Calf brain infusion and Proteose peptone respectively thus making the medium BSE/TSE risk free.

Liquoid Broth (Veg) is the modification of Liquoid Broth used for the culture of blood specimens from suspected bacteraemia cases. Liquoid (Sodium polyanethol sulphonate) is a good anticoagulant. Moreover, it is not inhibitory and has the added advantage of annulling the natural bactericidal action of blood.

### COMPOSITION

Ingredients	Gms / Ltr
Veg special infusion	7.500
Veg infusion	10.000
Veg peptone No. 3	10.000
Sodium chloride	5.000
Disodium phosphate	2.500
Dextrose	2.000
Sodium polyanethol sulphonate	0.500

### PRINCIPLE

This medium consists of rich ingredients for the culture of blood samples. Veg infusion, Veg special infusion and Veg peptone No.3 provides the necessary carbonaceous and nitrogenous nutrients, vitamins and growth factors to the organisms. Dextrose is the carbon source and sodium chloride maintains the osmotic equilibrium of the medium.

### INSTRUCTION FOR USE

- Dissolve 37.5 grams in 1000 ml purified/distilled water.
- Heat if necessary to ensure complete solution.
- Dispense into bottles or tubes and sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- If desired, 1 gm/litre agar can be added to encourage growth of anaerobic organisms. For best results, use the medium on the day it is prepared otherwise boil or steam it to remove dissolved oxygen just before use.

### QUALITY CONTROL SPECIFICATIONS

<b>Appearance of Powder</b>	: Yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.
<b>Appearance of prepared medium</b>	: Light amber coloured, clear solution without any precipitate.
<b>pH (at 25°C)</b>	: 7.4 ± 0.2

### INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Escherichia coli</i>	25922	50-100	Luxuriant	35-37°C	24-48 Hours
<i>Salmonella</i> serotype Typhi	6539	50-100	Luxuriant	35-37°C	24-48 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	35-37°C	24-48 Hours
<i>Streptococcus pyogenes</i>	19615	50-100	Good-luxuriant	35-37°C	24-48 Hours

#### PACKAGING:

In pack size of 500 gm bottles.

#### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.













**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

#### DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

#### REFERENCES

1. Mackie and McCartney, 1989, Practical Medical Microbiology, 13th ed., Vol. 2, Churchill Livingstone, Edinburgh.

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	 Manufacturer
 Temperature Unit	 Authorized Representative MedNet GmbH Barkstrasse 10, 48163 Münster, Germany	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

**\*For Lab Use Only**  
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