

Buffered Rappaport-Vassiliadis Broth

DM269

Intended Use

A selective enrichment broth for the isolation of *Salmonella* spp.

Contents

See pack label.

Formulation*

Material:	Concentration in medium:
Soya peptone	4.5g/litre
Sodium chloride	7.2g/litre
Potassium dihydrogen phosphate	1.26g/litre
Dipotassium hydrogen phosphate	0.18g/litre
Magnesium chloride	13.58g/litre
Malachite green	0.036g/litre
Final pH: 5.2 ± 0.2	

Storage and shelf life

All dehydrated culture media containers should be kept tightly closed and stored in a dry place at 10 to 25°C until the expiry date shown on the pack label.

Precautions

For *in vitro* diagnostic use only. Observe approved hazard precautions and aseptic techniques. To be used only by adequately trained and qualified laboratory personnel. Sterilise all biohazard waste before disposal. Refer to Product Safety Data sheet (available on request or via MAST® website).

Materials required but not provided

Standard microbiological supplies and equipment such as loops, MAST® selective supplements, swabs, applicator sticks, incinerators and incubators, etc., as well as serological and biochemical reagents and additives such as blood.

Procedure

1. Refer to pack label for quantities and volumes required. Prepare MAST® Buffered Rappaport-Vassiliadis Broth (DM269D) by suspending the powder in distilled or deionised water. For sachet packs, dissolve the entire contents of the sachet in the volume shown on the label.
2. Distribute the solution into suitable final containers (e.g.: tubes or bottles).
3. Sterilise at 115°C (10 p.s.i.) for 15 minutes.
4. Cool to an ambient temperature.
5. Prepared medium may be used immediately or stored at 2 to 8°C for up to 1 week.

6. Pre-enrichment of a test sample is required (except for faecal specimens). Add 25g or 25ml of the test sample to 225ml of MAST® Buffered Peptone Water (DM494D) and incubate at 35 to 37°C for 18 to 20 hours.
7. Transfer 0.1ml of the pre-enrichment culture to 10ml of Buffered RV Broth.
8. Incubate for 18 to 24 hours at 42°C ± 1°C.

Interpretation of results

After incubation record growth of organisms, indicated by turbidity in the medium.

Quality control

Check for signs of deterioration. Quality control must be performed with at least one organism to demonstrate expected performance. Do not use the product if the result with the control organism is incorrect. The list below illustrates a range of performance control strains which the end user can easily obtain.

Test Organisms	Result
<i>Salmonella typhimurium</i> ATCC® 14028	Growth
<i>Klebsiella pneumoniae</i> ATCC® 13883	Growth suppressed
<i>Escherichia coli</i> ATCC® 25922	Growth suppressed

References

Bibliography available on request.