

Peptone Water

DM185

Intended Use

A multipurpose liquid medium.

Contents

See pack label.

Formulation*

Material	Concentration in medium
Peptone	10.0 g/litre
Sodium chloride	5.0 g/litre
Final pH: 7.2 ± 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® Peptone Water (DM185D) 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. If after autoclaving, sterile additions are to be made to the medium the volume of water used for reconstitution should be reduced accordingly.
2. Distribute the solution into suitable final containers (e.g. tubes or bottles).
3. Autoclave at 121°C (15 p.s.i.) for 15 minutes.
4. Cool to ambient temperature and add sterile solutions of carbohydrate and pH indicator or other additives as required.
5. Prepared medium may be used immediately or stored at 2 to 8°C for up to one week before use.
6. Inoculate the broth directly with pure culture.
7. Incubate aerobically for 18 to 24 hours at 35 to 37°C (or alternative temperatures according to the methodology followed).

Interpretation of results

After incubation record growth of organisms, indicated by turbidity in the medium and colour change of any indicator added.

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>Escherichia coli</i> ATCC® 25922	Growth
<i>Staphylococcus aureus</i> ATCC® 25923	Growth
<i>Pseudomonas aeruginosa</i> ATCC® 27853	Growth

References

Bibliography available on request.