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Bacteriological Peptone

RM52

Intended use

A high grade enzymic digest of meat.

Contents

See pack label.

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).

Since the late 1980s MAST® has sourced all its animal-derived culture media ingredients from non-bovine animals wherever possible. All animal-derived materials, including bovine materials, are from BSE-free regions of the world, are from animals certified as disease-free by qualified veterinarians and have been heat-treated in accordance with European regulations. Despite these precautions, MAST® Media Raw Materials must not be used in the manufacture of vaccines or food ingredients, or in the manufacture of any other high-risk products involving culture processes such as those destined for *in-vivo* or agricultural use.

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.

Description

MAST® Bacteriological Peptone (RM52B), is a very economically priced, high grade enzymic digest of meat. The light brown granular powder is a rich source of amino-acids and vitamins, giving excellent growth of fastidious organisms, when incorporated into suitable media. It is free from fermentable carbohydrates and so can be used in media for biochemical reactions. Also, the level of tryptophane in the peptone is high enough for it to be used in the demonstration of indole production. A 2% solution of the peptone is exceptionally clear and it can therefore be used in all laboratory media.

Procedure

MAST® Bacteriological Peptone (RM52B) should be added at the appropriate concentration to culture media with additional ingredients e.g. meat extracts and agar as specified in the formulation being prepared.

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*

*1% w/v sterile solution of MAST® Bacteriological Peptone with 0.5% w/v sodium chloride.

References

Bibliography available on request.