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Yeast Extract - Special

RM71. An autolysate of yeast high in vitamin content.

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).

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 Yeast Extract - Special is an autolysate of *Saccharomyces cerevisiae*. The yeast is specifically grown for the purpose and the extract is not a by-product of other yeasts. The yeast cells are not hydrolysed by acids or chemicals but autolysed by natural yeast enzymes.

The extract produced by this method is high in protein content and has freely available amino-acids. In addition, it is a rich source of the important B-complex vitamins.

Procedure

MAST Yeast Extract - Special should be added at the appropriate concentration to culture media with additional ingredients e.g. meat extracts, peptones 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*
<i>Streptococcus pneumoniae</i> ATCC® 6305	Growth*

*2% w/v sterile solution of Mast Yeast Extract – Special with 0.5% w/v sodium chloride.

References

Bibliography available on request.