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## Tryptone Soy Broth

**DM226.** Soybean Casein Digest Medium USP, a medium for sterility tests.

**Contents:** See pack label.

### Formulation\*

Material:	Concentration in medium:
Casein hydrolysate - enzymic	17.0g/litre
Soy peptone	3.0g/litre
D-Glucose	2.5g/litre
Sodium chloride	5.0g/litre
Di-Potassium hydrogen phosphate	2.5g/litre
Final pH: 7.3 ± 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 Tryptone Soy Broth (DM226) 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. Dispense into suitable containers.
3. Autoclave at 121°C (15 p.s.i.) for 15 minutes.
4. For sterility testing incubate at 20 to 25°C aerobically for 14 days. MAST Tryptone Soy Broth also has other applications, therefore the medium should be inoculated and incubated as specified in the methods used by the individual laboratory.

### Interpretation of results

After incubation record growth of organisms, indicated by turbidity in the medium and proceed as instructed in the method of use.

### 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>Bacillus subtilis</i> ATCC® 6633	Growth
<i>Candida albicans</i> ATCC® 90028	Growth
<i>Neisseria meningitidis</i> ATCC® 13090	Growth
<i>Staphylococcus epidermidis</i> ATCC® 12228	Growth
<i>Streptococcus pyogenes</i> ATCC® 19615	Growth

### References

Bibliography available on request.