

MAST® Culture Media and Supplements

Technical Information Sheet

Product Code **DM 226**



Tryptone Soy Broth

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

1. Description

Tryptone Soy Broth utilises the pancreatic digest of casein and the soy peptone which are used in Tryptone Soy Agar. Accordingly, the medium will grow many micro-organisms without the addition of blood or serum.

The medium is listed by the U.S. Pharmacopoeia¹ as a medium for detecting low level contamination by aerobic bacteria and fungi.

The addition of a small amount of agar permits growth of anaerobic strains deep in the broth.

The presence of glucose in the medium, while permitting excellent growth, prohibits its use as a maintenance medium for acid sensitive and fastidious organisms.

2. Technical Formula*

Formula	grams per litre
Casein hydrolysate, enzymic	17.0
di-Potassium hydrogen phosphate	2.5
Soy peptone	3.0
Sodium chloride	5.0
D-Glucose	2.5
pH approx.7.3	

4. Directions

1. Dissolve 30g of powder in 1 litre or the contents of the sachet in the stated volume of distilled or deionised water.
2. Distribute into suitable containers.
3. Autoclave at 121°C (15p.s.i.) for 15 minutes.

5. References

1. U.S. Pharmacopoeia 1970; XVIII: 852.



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*Formulation may be modified to meet performance criteria

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