

41298 Tryptic Soy Broth, Vegetone (Vegetone Tryptic Soy Broth; Tryptone Soya Broth, Vegetone; Casein Soya Broth, Vegetone; TSB, Vegetone; CASO Broth, Vegetone; Soybean Casein digest Broth, Vegetone)

Vegetone Tryptic Soy Broth is a general purpose medium used for cultivation of a wide variety of microorganisms. It is recommended for sterility testing of moulds and lower bacteria. It contains no material derived from animals.

Composition:

Ingredients	Grams/Litre
Tryptone (vegetable)	17.0
Papaic digest of soyabean meal	3.0
Sodium chloride	5.0
Dipotassium phosphate	2.5
Dextrose	2.5
Final pH 7.3 +/- 0.2 at 25°C	

Store prepared media below 8°C, protected from direct light. Store dehydrated powder, in a dry place, in tightly-sealed containers at 2-25°C.

Appearance: Light yellow coloured, homogeneous free flowing powder.
Colour and Clarity: Light yellow coloured, clear solution.

Directions:

Suspend 30 g in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle and Interpretation:

The combination of Tryptone (vegetable) and papaic digest of soyabean meal makes this medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Dextrose serves as the carbohydrate source and dipotassium phosphate act as the buffer in the medium. Sodium chloride maintains the osmotic balance of the medium.

Cultural characteristics after 18-48 hours at 35-37°C

Organisms (ATCC)	Growth
<i>Candida albicans</i> (10231)	+++
<i>Staphylococcus aureus</i> (25923)	+++
<i>Streptococcus pyogenes</i> (19615)	++/+++
<i>Bacillus subtilis</i> (6633)	+++
<i>Bacteroides vulgatus</i> (8482)	+++
<i>Neisseria meningitidis</i> (13090)	+++



References:

1. Jean. F. Mac Faddin, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria. Vol. 1. Baltimore, MD.: Williams & Wilkins. (1985)
2. Compendium of Methods for the Microbiological Examination of Foods., 3rd edition, C. Vanderzant and D.F. Splittstoesser (eds)., APHA. Washington DC.
3. Practical Food Microbiology., D. Roberts, W. Hooper and M. Greenwood (Eds)., Public Health Laboratory Service, London (1995)
4. US Pharmacopoeia. XXIV. (2000) Bethesda MD.
5. British Pharmacopoeia Volume II (2000)
6. European Pharmacopoeia. 3rd Edition (2001)

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

The vibrant M, Millipore, and Sigma-Aldrich are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. Detailed information on trademarks is available via publicly accessible resources.
© 2018 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved.

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the US and Canada.

