



Tryptone Soy Broth (USP/EP/JP)

(Soybean Casein Digest Medium (USP/EP/JP))

LAB 4

Description

A general purpose nutritious broth capable of growing a wide range of bacteria and fungi. This medium is formulated to and performs to the requirements of the Harmonised Pharmacopeia (USP/EP/JP) for the sterility testing of a wide range of pharmaceutical products. This medium is also widely used for blood cultures although the high carbohydrate level may cause rapid growth and subsequent death of acid-producing organisms.

Typical Formula	g/litre
Tryptone (Casein Digest USP)	17.0
Soy Peptone	3.0
Sodium chloride	5.0
Dipotassium phosphate	2.5
Dextrose	2.5

Method for reconstitution

Weigh 30 grams of powder, disperse in 1 litre of deionised water. Swirl to mix and warm if necessary to dissolve. Dispense into tubes or flasks and sterilise at 121°C for 15 minutes. Do not exceed temperature.

Appearance: Straw coloured, clear.

pH: 7.3 ± 0.2

Minimum Q.C. organisms:

Bacillus subtilis ATCC 6633

Candida albicans ATCC 10231

Aspergillus brasiliensis ATCC16404

Storage of Prepared Medium: Capped containers – up to 3 months at 15-20°C in the dark.

Incubation: 20-25°C aerobically for 14 days, for sterility tests. 37°C aerobically for 14 days for blood cultures.

Growth indicators: Turbidity or precipitate.

References

Harmonised Pharmacopeia 8.0, Volume 1.