

# Tryptone Soy Broth U.S.P.

## (Soybean Casein Digest Medium U.S.P)

### BC2004

A general purpose nutritious broth capable of growing a wide range of bacteria and fungi. The medium is recommended by the United States Pharmacopeia for the sterility testing of a wide range of pharmaceutical products. The medium can be used for blood cultures although the high carbohydrate level may cause rapid growth and subsequent death of acid-producing organisms.

#### Formula grams per litre

Tryptone (Casein Digest USP)	17.0
Soy Peptone	3.0
Sodium chloride	5.0
Dipotassium phosphshate	2.5
Dextrose	2.5

**pH:** 7.3 +/- 0.2

**Appearance:** Straw coloured, clear.

#### Preparation

Suspend 30 grams of powder 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.

#### Quality Control Organisms - Suggestions

<i>E. coli</i>	ATCC 11775	
<i>S. aureus</i>	ATCC 6538	

#### Storage of Prepared Medium

Capped containers should be stored in the dark and used within 3 months.

#### Directions for Use

Incubate at 20-25°C aerobically for 14 days, for sterility tests. Incubate at 37°C aerobically for up to 14 days for blood cultures.

Growth Indicators - Turbidity or precipitate.

#### References

United States Pharmacopeia 21<sup>st</sup> edition 1985.