

T3938 Tryptone Soya Broth without Dextrose (Soyabean Casein Digest Medium)

Tryptone Soya Broth without Dextrose is recommended for the cultivation of anaerobes from root canals, blood and other specimens.

Composition:

Ingredients	Grams/Litre
Casein Enzymic Hydrolysate	17.0
Papaic Digest of Soyabean Meal	3.0
Sodium Chloride	5.0
Dipotassium Phosphate	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 colored, homogeneous, free flowing powder.

Color and Clarity: Yellow colored, clear solution without any precipitate.

Directions:

Suspend 27.5 g of Tryptone Soya Broth without Dextrose in 1000 ml of distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes.

Principle and Interpretation:

Casein enzymic hydrolysate and the papaic digest of soyabean meal supply nitrogenous and carbonaceous compounds. Dextrose is a source of fermentable carbohydrates for energy production. Sodium chloride maintains the osmotic balance and dipotassium phosphate provides buffering capacity of the medium.

Cultural characteristics after 18-24 hours at 35-37°C.

Organisms (ATCC)	Growth
<i>Staphylococcus epidermidis</i> (12228)	+++
<i>Streptococcus pneumoniae</i> (6303)	+++
<i>Streptococcus pyogenes</i> (19615)	+++
<i>Clostridium perfringens</i> (12924)	+++
<i>Bacteroides fragilis</i> (25285)	+++
<i>Neisseria meningitidis</i> (13090)	++

References:

1. Mashimo and Ellison, J. Bact., 78, 636 (1959)
2. Fredette, Anger, and Forget, Can. Med. Assoc. J., 84, 164 (1961)

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.

