14432 Tryptic Soy Agar, Vegitone

(Vegitone Tryptic Soy Agar; Tryptone Soya Agar, Vegitone; TSA, Vegitone; CASO Agar, Vegitone; Soybean Casein digest Agar, Vegitone)

Vegitone Tryptic Soy Agar is a general purpose medium used for cultivation of a wide variety of microorganisms. It is free of any material derived from animals.

Composition:

Ingredients	Grams/Litre
Tryptone (vegetable)	15.0
Papaic digest of soyabean meal	5.0
Sodium chloride	5.0
Agar	15.0
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.
Gelling: Firm.
Colour and Clarity: Light yellow coloured, clear to slightly opalescent gel in petri plates.

Directions:
Suspend 40.0 g in 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired, aseptically add 5% v/v defibrinated blood in previously cooled medium (45-50°C).

Principle and Interpretation:
Vegitone Tryptic Soy Agar is formulated similarly with replacement of animal peptone by Tryptone (vegetable). Tryptone (vegetable)and papaic digest of Soyabean meal makes these media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance.

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

Organisms (ATCC)	Growth	Growth with Blood	Haemolysis
Bacillus subtilis (6633)	+++	+++	none
*Bacillus vulgatus** (8482)	+++	+++	none
*Candida albicans*** (10231)	+++	+++	-
Neisseria meningitidis (13090)	++	+++	none
Staphylococcus aureus (25923)	+++	+++	β
Streptococcus pyrogenes (19615)	++/+++	+++	β

* = when incubated anaerobically
** = incubated at 25-30°C for 2-7 days

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.

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