CB012	TSB - Tryptone Soya Broth Supplemented with 0.05% SPS

Formula

Ingredients:	**gms/lit.**
Pancreatic digest of casein	17.00
Papaic digest of soyabean meal	3.00
Sodium chloride	5.00
Dipotassium phosphate	2.50
Dextrose	2.50
Sodium polyanethol sulphonate (SPS)	0.50

Final pH (at 25°C): 7.3 ± 0.2

Directions:

Label the ready to use bottle (CB0012). Inoculate the sample and incubate at specified temperature and time. Remove the top seal of the cap. Disinfect the part of the rubber stopper which is now exposed. Transfer the blood sample immediately into the culture bottle by puncturing the rubber stopper with the needle and injecting the blood. Venting: Use sterile venting needle. Keep the bottle in an upright position preferably in a biological safety cabinet, place an alcohol swab over the rubber stopper and insert the venting needle with filter through it. Insertion and withdrawal of the needle should be done in a straight line. discard the needle and mix the contents by gently inverting the bottle 2-3 times. Do Not vent the bottle for anaerobic cultures. Incubate at 35±2°C for 18-24 hours and further for seven days.

Principle:

This medium is a highly nutritious medium used for cultivation of a wide variety of organisms. The combination of pancreatic digest of casein and papaic digest of soyabean meal makes the medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Dextrose and dibasic potassium phosphate serve as the carbohydrate source and the buffer, respectively in the medium. Sodium chloride maintains the osmotic balance of the medium.

(I) QC Tests

pH:	7.3 ± 0.2
Colour:	Light yellow coloured clear solution
Appearance:	Sterile clear Tryptone Soya Broth supplemented w/ 0.05% SPS in glass bottle.
(II)Sterility test	Passes release criteria
(III)Q.C. Test Microbiological	

Cultural characteristics observed after incubation at 20-25°C for fungi & 35-37°C for bacteria for 5days &18-24 hours.

MICROORGANISM (ATCC)	GROWTH	INOCULUM(CFU)
Streptococcus pneumoniae 6305	luxuriant	50-100
Pseudomonas aeruginosa 27853	luxuriant	50-100
Escherichia coli 25922	luxuriant	50-100
Pseudomonas aeruginosa 9027	luxuriant	50-100
Escherichia coli 8739	luxuriant	50-100
Escherichia coli 9002	luxuriant	50-100
Salmonella Abony NCTC 6017	luxuriant	50-100
Salmonella Typhimurium 14028	luxuriant	50-100
Staphylococcus aureus 25923	luxuriant	50-100
Staphylococcus aureus 6538	luxuriant	50-100
Micrococcus luteus 9341	luxuriant	50-100
Candida albicans 2091	luxuriant	50-100
Candida albicans 10231	luxuriant	50-100
Aspergillus brasiliensis 16404	luxuriant	50-100

Refer disclaimer Overleaf

Rev: January2022

Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	A qualitative test for detection of microorganisms in blood.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	20ml/70ml in Glass bottle.