CB009	SCHAEDLER BROTH

Formula

Ingredients:	gms/lit.
Casein enzymic hydrolysate	5.67
Proteose peptone	5.00
Soya peptone	1.00
Yeast Extract	5.00
Dextrose	5.83
Sodium chloride	1.67
Dipotassium hydrogen phosphate	0.83
Tris hydroxymethyl aminomethane	3.00
L-Cystine	0.40
Hemin	0.01

Final pH (at 25°C): 7.6 ± 0.2

Directions:

Label the ready to use blood culture bottle (CB009). 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:

Schaedler broth is highly nutritious medium due to casein enzymic hydrolysate, proteose peptone, soya peptone and yeast extract. Dextrose is a carbon source, and Tris (Hydroxymethyl) amino methane is used to buffer the medium. It can also be used to determine antibiotics MIC levels of anaerobic organisms or tube method for antibiotic MIC determination.

(I) QC Tests

	pH:	7.6 ± 0.2
	Color:	Yellow coloured clear solution
	Appearance:	Sterile, clear Schaedler Broth in glass bottle.
(II)Sterility test		Passes release criteria
(III)Q.C. Test Microbiological		

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

MICROORGANISM (ATCC)	INOCULUM (CFU)	GROWTH UNDER ANAEROBIC CONDITIONS	GROWTH UNDER AEROBIC CONDITIONS
Bacteroides fragilis 25285	50-100	luxuriant	-
Clostridium butyricum 13732	50-100	luxuriant	-
Clostridium perfringens 12924	50-100	luxuriant	-
Clostridium sporogenes 11434	50-100	luxuriant	-
Escherichia coli ATCC25922	>=10^4	luxuriant	-
Streptococcus pyogenes 19615	50-100	-	luxuriant

Refer disclaimer Overleaf

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Precautions :	1. In Vitro diagnostic use only.
	2.Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.
Limitations :	1. Proper anaerobic conditions must be maintained for optimal recovery of organisms.
Use:	Recommended for the recovery of anaerobic and facultative microorganisms.
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	20ml/70ml in Glass bottle.