

**TECHNICAL SHEET**

<b>CB003</b>	<b>COLUMBIA BROTH</b>	
<b>Formula</b>		
<b>Ingredients :</b>		
	<b>gms/lit.</b>	
Peptone, special	10.00	
Bio peptone	10.00	
Heart infusion powder	3.00	
L-Cystine hydrochloride	0.10	
Dextrose	2.50	
Sodium chloride	5.00	
Magnesium sulphate	0.10	
Ferrous sulphate	0.02	
Sodium carbonate	0.60	
Tris (hydroxymethyl) aminomethane	0.83	
Tris (hydroxymethyl) aminomethane HCl	2.86	
Final pH (at 25°C): 7.5 ± 0.2		
<b>Directions:</b>		
Label the ready to use blood culture bottle (CB003). 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.		
<b>Principle:</b>		
Medium contains peptone special, bio peptone and heart infusion to support luxurious growth of the organisms. Dextrose is added as a carbon and energy source. The medium is buffered with tris buffer. The addition of salts was found to be beneficial for the recovery of organisms. Cystine is the reducing agent. Magnesium and iron are added to facilitate organism growth. If growth appears, cultures should be sub cultured onto appropriate media. Addition of SPS is inhibitory to Neisseria species, and thus 1.2% gelatin addition may counteract the inhibitory effect.		
<b>(I) QC Tests:</b>		
pH:	7.5 ± 0.2	
Color:	Light amber coloured clear solution	
Appearance:	Sterile clear broth in glass bottles.	
<b>(II) Sterility test</b>	Passes release criteria	
<b>(III) Q.C. Test Microbiological</b>		
Cultural characteristics observed after incubation at 35 - 37°C for 24-48 hours.		
MICROORGANISM (ATCC)	GROWTH	GROWTH (UNDER ANAEROBIC CONDITIONS)
Streptococcus mitis ATCC 9811	luxuriant	-
Streptococcus pyogenes ATCC 19615	luxuriant	-
Staphylococcus aureus ATCC 25923	luxuriant	-
Neisseria meningitidis 13090	luxuriant	-
Clostridium perfringens ATCC 12924	-	luxuriant

Refer disclaimer Overleaf

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<b>Precautions :</b>	1. In Vitro diagnostic use only. 2. Read the label before opening the container
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
<b>Use:</b>	For cultivation of fastidious organisms in blood.
<b>Storage:</b>	Store between 2-8°C. Use before expiry date on the label.
<b>Packing:</b>	20ml/70ml in Glass bottle.

**Disclaimer:**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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