

**TECHNICAL SHEET**

<b>CB004</b>	<b>GLUCOSE BROTH W/ 0.05% SPS</b>		
<b>Formula</b>			
<b>Ingredients:</b>		<b>gms/lit.</b>	
Casein enzymic hydrolysate		10.00	
Glucose		5.00	
Sodium chloride		5.00	
SPS		0.50	
Final pH (at 25°C): 7.3 ± 0.2			
<b>Directions:</b>			
Label the ready to use (CB004) bottle. 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.			
<b>Principle:</b>			
This medium is also used to study glucose fermentation where pH indicator is not desired. Glucose Broth was developed to exclude the ingredients like beef extract that would contain small amount of carbohydrates. Casein enzymic hydrolysate and glucose serve as sources of essential nutrients and energy respectively to support the growth of many fastidious organisms. The broth gives rapid growth and hastens the early development of injured cells. Sodium chloride maintains the osmotic equilibrium.			
<b>(I) QC Tests</b>			
	pH:	7.3 ± 0.2	
	Color:	Light yellow coloured clear solution	
	Appearance:	Sterile clear Glucose Broth w/ 0.05% SPS in glass bottle.	
	<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	GAS
	Escherichia coli (25922)	luxuriant	+
	Shigella flexneri (12022)	luxuriant	-
	Staphylococcus aureus (25923)	luxuriant	-
	Staphylococcus epidermidis (12228)	luxuriant	-
	Streptococcus pyogenes (19615)	luxuriant	-
	Salmonella typhi (6539)	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>	A qualitative test for detection of microorganisms 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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