

**TECHNICAL SHEET**

<b>B965</b>	<b>CAMPYLOBACTER CEFEX AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymichydrolysate					15.00
Peptic digest of animal tissue	10.00				
Yeast extract					2.00
Sodium chloride					5.00
Glucose	1.00				
Ferrous sulphate					0.50
Sodium pyruvate					0.50
Sodium bisulphite					0.35
Agar					15.00
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 49.35 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 50°C. Aseptically add 10% v/v defibrinated sheep blood or 5.7% v/v laked horse blood and rehydrated contents of one vial of Park and Sanders selective supplement II. Mix well and pour into sterile petri plates.					
<b>Principle :</b>					
Casein hydrolysate, peptic digest of animal tissue and yeast extract provide nitrogenous compounds, carbon, sulphur, vitamins and trace ingredients. Glucose is utilized as an energy source. Sheep blood supply the X-factor (heme) and other growth requirements. Incorporation of antibiotics suppress the growth of the normal microbial flora in the specimens thereby facilitating isolation of Campylobacter species.					
<b>QC Tests - (I) Dehydrated Medium</b>					
	Colour :	Yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.0 ± 0.2			
	Colour (post autoclaving/heating) :	Yellow			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
	Cultural characteristics observed after 18 -24 hrs. at 35-37°C in microaerobic atmosphere.				
	MICROORGANISM (ATCC )	GROWTH			
	Campylobacter jejuni (29428)	Good - luxuriant			
	Escherichia coli (25922)	None - poor			
	Enterococcus faecalis (29212)	None - poor			
<b>Precautions :</b>					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
<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 the isolation and cultivation of Campylobacter species.					
<b>Storage :</b>					
Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.					
<b>Packing :</b>					
500 gm bottle					
<b>Product profile:</b>	Reconstitution	Quantity on Preparation(500g)	pH (25°C)	Supplement	Sterilization
<b>B965</b>	49.35g/l	10.13L	7.0 ± 0.2	10% v/v defibrinated sheep blood or 5.7% v/v laked horse blood and rehydrated contents of one vial of Park and Sanders selective supplement II	121°C / 15 minutes

**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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