

B454	CASEIN HYDROLYSATE BROTH, MODIFIED					
Formula						
Ingredients :		gms/lit.				
Casein hydrolysate		5.00				
Beef infusion from		150.00				
Peptic digest of meat		5.00				
Yeast autolysate		1.50				
Sodium phosphate		2.50				
Sodium chloride		5.00				
Final pH (at 25°C) : 7.8 ± 0.2						
Directions :						
Suspend 20.5 grams in 1000 ml distilled water containing 22 ml glycerol. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein hydrolysate, beef infusion form and peptic digest of meat which serves as a rich source of nitrogen and carbon. Yeast autolysate provides necessary growth factors and vitamin supplements required for metabolism of wide number of bacteria. Sodium phosphate helps buffering of media whereas sodium chloride balances the osmotic equilibrium.						
QC Tests – (I) Dehydrated Medium						
	Colour :	Cream to yellow				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	7.8 ± 0.2				
	Colour (post autoclaving/heating) :	Light to medium amber				
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 –24 hrs. at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH				
	Staphylococcus aureus (25923)	Luxuriant				
	Streptococcus pyogenes (19615)	Luxuriant				
	Escherichia coli (25922)	Luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
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 :		It is highly nutritive medium which can be used as a general purpose culture medium.				
Storage :		Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.				
Packing :		500 gm bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B454		20.5 g/l	24.39 L	7.8 ± 0.2	nil	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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