

<b>B1095</b>	<b>L.D. EGG YOLK AGAR BASE</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
		<b>gms/lit.</b>			
Casein enzymichydrolysate		5.00			
Yeast extract		5.00			
Sodium chloride		2.50			
Sodium sulphite		0.10			
L-Cystine		0.40			
L-Tryptophan		0.20			
Dextrose		2.00			
Disodium phosphate		5.00			
Magnesium sulphate		0.01			
Hemin		0.01			
Vitamin K1		0.01			
Agar		20.00			
Final pH (at 25°C) : 7.4 ± 0.2					
<b>Directions :</b>					
Suspend 40.23 gms.in 900ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes. Cool to 60°C and aseptically add 100 ml sterile Egg Yolk Emulsion (BF003). Mix well and pour into sterile petri plates.					
<b>Principle :</b>					
Casein enzymichydrolysate and yeast extract provide nitrogenous nutrients, dextrose is the fermentable carbohydrate. L-Tryptophan and L-Cystine are the amino acids for enhancing the growth. Sodium sulphite is an antioxidant. Hemin and vitamin K1 serves as the growth stimulator while egg yolk is the source of lecithin in the medium. Sodium chloride maintains the osmotic balance while the salt like magnesium sulphate helps for sporulation. Disodium phosphate maintains buffering action in the medium.					
<b>QC Tests - (I)Dehydrated Medium</b>					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.4 ± 0.2			
Colour (post autoclaving/heating) :		a) Basal medium : Yellow b) with additon of sterile egg yolk emulsion : Yellow			
Clarity (post autoclaving/heating) :		a) Clear b) Opalescent			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 24-48 hrs.at 35-37°C when incubated anaerobically.					
MICROORGANISM (ATCC )	GROWTH	LECITHINASE	LIPASE	PROTEOLYSIS	
Clostridium perfringens (12924)	Luxuriant	+	-	-	
Clostridium sporogenes (11437)	Luxuriant	-	+	+	
Fusobacteriumnecrophorum (25286)	Luxuriant	-	+	-	
Key : Lecithinase + = zone of insoluble precipitate Lipase + = an iridescent sheen on the surface of colony and immediately around the colony. Proteolysis + = clearing of the medium around the colony.					
<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 detecting lecithinase activity of anaerobic microorganisms.					
<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>B1095</b>	40.23g/l	12.42 lit	7.4 ± 0.2	Egg Yolk Emulsion (BF003)	121°C/15 min

Refer Disclaimer overleaf

**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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