

**TECHNICAL SHEET**

<b>B698</b>	<b>MINERALS MODIFIED GLUTAMATE AGAR BASE (TWIN PACK)</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
<b>PART A:</b>					
Lactose			10.00		
Sodium formate			0.25		
L-Cystine			0.02		
L-Aspartic acid			0.024		
L(+) Arginine			0.02		
Thiamine			0.001		
Nicotinic acid			0.001		
Pantothenic acid			0.001		
Dipotassium hydrogen phosphate			0.90		
Magnesium sulphate 7H <sub>2</sub> O			0.10		
Ferric ammonium citrate			0.01		
Calcium chloride 2H <sub>2</sub> O			0.01		
Agar			15.00		
<b>PART B :</b>					
Sodium glutamate			6.35		
Final pH (at 25°C) : 6.7 ± 0.2					
<b>Directions :</b>					
Suspend 26.34 gms. of Part A (dehydrated) in 1000ml distilled water containing 2.5 grams of ammonium chloride. Add 6.35 grams of Part B, sodium glutamate. Mix well to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 10 minutes. Dispense as desired.					
<b>Principle :</b>					
This medium contains a variety of nutrients including salts, amino acids and vitamins. Lactose is the fermentable carbohydrate.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :	Part A : Yellow Part B : White				
Appearance :	Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :	6.7 ± 0.2				
Colour (post autoclaving/heating) :	Prepared medium form yellow				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 24 hrs. at 44°C.					
MICROORGANISM (ATCC )	GROWTH				
Escherichia coli (25922)	Luxuriant				
<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 enumeration of E.Coli from meat and meat products. It is also recommended by ISO committee under the specifications.				
<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>B698</b>	32.69g/l	15.29L	6.7 ± 0.2	ammonium chloride	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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