

B876	M-ENDO AGAR LES					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		3.70				
Peptic digest of animal tissue		3.70				
Tryptose		7.50				
Yeast extract		1.20				
Lactose		9.40				
Dipotassium phosphate		3.30				
Monopotassium phosphate		1.00				
Sodium chloride		3.70				
Sodium deoxycholate		0.10				
Sodium lauryl sulphate		0.05				
Sodium sulphite		1.60				
Basic fuchsin		0.80				
Agar		15.00				
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 51 gms in 980 ml. distilled water. Boil to dissolve the medium completely. DO NOT AUTOCLAVE. Cool to 45°C and aseptically add 20 ml. of 95% ethanol. Mix and dispense 4 ml. amounts into 60 mm petri plates. In large plates, use sufficient medium to give a 1.5% mm depth. DO NOT EXPOSE PLATES TO DIRECT SUNLIGHT.						
Principle :						
Casein enzymic hydrolysate, tryptose, peptic digest of animal tissue and yeast extract provide essential nutrients especially nitrogenous for the coliforms. Lactose is the fermentable carbohydrate. Sodium sulphite, sodium deoxycholate and basic fuchsin inhibits the growth of gram – positive organisms. Two phosphates buffer the medium. Agar is the solidifying agent.						
QC Tests – (I) Dehydrated Medium						
	Colour :	Light pink to purple				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	7.2 ± 0.2				
	Colour (post autoclaving/heating) :	Dark pink to red				
	Clarity (post autoclaving/heating) :	Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 20 – 24 hours at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY			
	Enterobacter aerogenes (13048)	Luxuriant	Red to black with sheen			
	Escherichia coli (25922)	Luxuriant	Red to black with sheen			
	Salmonella typhi (6539)	Luxuriant	Colourless			
	Staphylococcus aureus (25923)	Inhibited	--			
	Klebsiella pneumoniae (13883)	good-luxuriant	Pink to red			
	Salmonella Typhimurium (14028)	Luxuriant	colourless to very light pink			
Precautions :		1. For Laboratory Use.				
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
		3. HARMFUL. Irritating to eyes, respiratory system and skin. Possible risk of irreversible effects. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Liver, Thyroid.				
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 :		For estimation of coliforms in water samples using membrane filter technique.				
Storage :		Dehydrated medium- below 30°C Prepared medium- Use freshly prepared medium.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B876		51g/l	9.80L	7.2 ± 0.2	95% ethanol	DO NOT AUTOCLAVE.