

TECHNICAL SHEET

B924	ANTIBIOTIC ASSAY MEDIUM D				
Formula					
Ingredients:		gms/lit.			
Heart extract		1.50			
Yeast extract		1.50			
Peptone-Casein		5.00			
Glucose monohydrate		1.00			
Sodium chloride		3.50			
Dipotassium hydrogen phosphate		3.68			
Potassium dihydrogen phosphate		1.32			
Potassium nitrate		2.00			
Final pH (at 25°C): 7.0 ± 0.2					
Directions:					
Suspend 19.40 grams in 1000 ml purified /distilled water. Heat if necessary to dissolve the medium completely. Dispense and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Adjust the pH of the medium, using freshly prepared buffer solution as recommended by the European/British Pharmacopoeia for the antibiotic assayed					
Principle:					
Peptone, heart extract and yeast extract supplies nutrients and essential mineral and growth factors for enhanced microbial growth. Potassium nitrate serves as inorganic source of nitrogen for the growth of test organism. Sodium chloride maintains the osmotic equilibrium while phosphates are incorporated in the medium to provide good buffering action. Glucose monohydrate serves as the carbon and energy source for faster growth.					
QC Tests - (I) Dehydrated Medium					
	Colour:	Cream to yellow			
	Appearance:	Homogeneous Free Flowing powder			
(II) Rehydrated medium					
	pH (post autoclaving/heating) :	7.0 ± 0.2			
	Colour (post autoclaving/heating):	Light yellow			
	Clarity (post autoclaving/heating):	Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.					
	MICROORGANISM (ATCC)	GROWTH	SERIAL DILUTION WITH		
	Klebsiella pneumoniae (10031)	luxuriant	Erythromycin stearate		
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 used for the microbiological assay of Erythromycin estolate using Klebsiella pneumoniae				
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
B924	19.4 g/l	25.64 L	7.0 ± 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 BIOMARK LABORATORIES publications.

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