TECHNICAL SHEET

B1136	**ANTIBIOTIC ASSAY MEDIUM E**				
Formula					
Ingredients:	**gms/lit.**				
Peptic digest of animal tissue (Peptone)	5.00				
Meat extract	3.00				
Disodium hydrogen phosphate.12H2O	26.90				
Agar	10.00				
Final pH (at 25°C): 7.9± 0.2					
Directions:					
Suspend 28.67 grams of dehydrated medium in 1000 ml purified /distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle:					
Peptone and meat extract supplies nutrients essential for microbial growth. Phosphates are incorporated in the medium to provide good buffering action. The low concentration of agar facilitates proper diffusion of antibiotic in the seed agar.					
QC Tests – (I)Dehydrated Medium					
Colour:	Cream to yellow				
Appearance:	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	7.9± 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	ANTIBIOTICS ASSAYED			
Bacillus pumilus NCTC 8241	luxuriant	Neomycin sulphate,Framycetinsulphate			
Bacillus subtilis (6633)	luxuriant	Neomycin sulphate, Framycetinsulphate			
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 in the microbiological assay of Neomycin sulphate and Framycetin sulphate using Bacillus subtilis and Bacillus pumilus .				
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
B1136	28.67g/l	11.1L	7.9 ± 0.2	Nil	121^{0}C / 15 minutes

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