

TECHNICAL SHEET

B414	PSEUDOMONAS ASPARGINE BROTH					
Formula						
Ingredients :		gms/lit.				
DL-asparagine		3.00				
Dipotassium phosphate		1.00				
Magnesium sulphate		0.50				
Final pH (at 25°C) :		7.0 ± 0.2				
Directions :						
Suspend 4.5 gms. in 1000ml. distilled water. Gently boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
This medium is a relatively simple medium containing an amino acid DL-Asparagine and two salts like dipotassium phosphate and magnesium sulphate. Asparagine is the amino acid source while phosphate and sulphate provide the ions for the growth of Pseudomonas aeruginosa. Dipotassium phosphate also helps in maintaining the buffering conditions of the medium.						
QC Tests - (I) Dehydrated Medium						
	Colour :	Off white to white				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	7.0 ± 0.2				
	Colour (post autoclaving/heating) :	Colourless to very light yellow				
	Clarity (post autoclaving/heating) :	Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 20 -24 hrs.at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH				
	Pseudomonas aeruginosa (27853)	Luxuriant				
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 :		For presumptive determination of Pseudomonas aeruginosa from recreational or natural water as per A.P.H.A.				
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
B414		4.5g/l	111.111L	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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