B933	**ASPARAGINE PROLINE BROTH**
Formula	
Ingredients:	**gms/lit.**
DL-Asparagine	2.00
L-Proline	1.00
Di potassium phosphate, anhydrous	1.00
Magnesium sulphate	0.50
Potassium sulphate	10.00
Final pH (at 25°C) : 7.2±0.2	

Directions :

Suspend 14.5 grams (for single strength medium) or 23.2 grams (for concentrated medium) in 1000 ml distilled water containing 25 ml or 40 ml ethanol respectively. Heat to boiling to dissolve the medium completely. Distribute as desired in screw-capped bottles. Close the caps so that the seal in the lid just touches the lip of the bottle. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Tighten the caps of the bottles immediately after removal from the autoclave to prevent loss of ethanol by evaporation. It is not advisable to use polypropylene caps without seals. Alternatively, ethanol may be sterilized separately by filtration and then added aseptically to the sterile cooled medium.

Principle :

Asparagine Proline Broth contains both the enantiomeric forms of Aspargine, which is readily utilized by Pseudomonas for their growth. Phosphate and sulphates provide the ions for the growth as well as buffers the medium to promote the growth of the organism.

QC Tests – (I)Dehydrated Medium		
	Colour :	White to off white
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.2±0.2
	Colour (post autoclaving/heating) :	Colourless
	Clarity (post autoclaving/heating) :	Clear
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours	
	MICROORGANISM (ATCC)	GROWTH
	Pseudomonas aeruginosa (27853)	Luxuriant with greenish yellow pigment
	Escherichia coli (25922)	None to poor

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 the cultivation of Pseudomonas aeruginosa using membrane filter technique.
Storage :	Dehydrated medium-below30°C Prepared medium - Between 2 to 8°C.
Packing :	500 gm. bottle

Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B933	14.5 g/l	34.48 L	7.2±0.2	Nil	121^{0}C /15 min.