

B1482	Pseudomonas CFC Agar Base	
Formula		
Ingredients :	gms/lit.	
As per ISO specification		B1482- Pseudomonas CFC Agar Base
Ingredients	g / L	Ingredients
Enzymatic digest of gelatin	16.000	Pancreatic digest of gelatin
Enzymatic digest of casein	10.000	Enzymatic digest of casein
Potassium sulphate Magnesium	10.000	Potassium sulphate
Chloride	1.400	Magnesium chloride
Agar	12.00-18.00	Agar
Final pH (at 25°C)	7.2±0.2	Final pH (at 25°C)
		g / L
		16.000
		10.000
		10.000
		1.4000
		15 .000
		7.2±0.2
Final pH (at 25°C) : 7.2 ± 0.2		
Directions :		
Suspend 52.4 gram 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. Cool to 45-50°C and aseptically add sterile rehydrated contents of two vials of CFC Selective Supplement (BF093). Mix well and pour into sterile Petri plates.		
Note: Do not keep the molten agar for longer than 4 hours.		
Principle :		
Pancreatic digest of gelatin and Casein enzymic hydrolysate provides nitrogenous growth nutrients, carbon, sulphur and trace elements for Pseudomonas species. Potassium sulphate and magnesium chloride which enhances the production. Agar is the solidifying agent. CFC supplement is specific for isolation of Pseudomonas species. Cetrinix supplement suppresses Klebsiella, Proteus and Providencia species. CFC Selective Supplement was formulated as per the recommendations of ISO 13720:2010 for selective isolation of Pseudomonas species. It contains cephalothin, sodium fusidate and cetrinix.		
QC Tests – (I)Dehydrated Medium		
	Colour :	Cream to yellow
	Appearance :	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating) :	7.1 ± 0.2
	Colour (post autoclaving/heating) :	Light to medium yellow
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural response was observed after incubation at 25±1°C for 48 hrs.	
	MICROORGANISM (ATCC)	Growth
	Pseudomonas fluorescens ATCC 13525	Luxuriant
	Pseudomonas fragi ATCC 4973	Luxuriant
	Escherichia coli ATCC 8739	Inhibited
	Escherichia coli ATCC 25922	Inhibited
Precautions :	1. For Laboratory Use.	
	2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.	
Limitations :	1. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium.	
	2. Ocasinally, a Pseudomonas culture is encountered that will produce small amounts of pigment in the medium. When this happens, a yellow – green colour will appear on Pseudomonas Agar F or a blue – green colour on Pseudomonas Agar P. If a blue – green colour occurs on Pseudomonas Agar P, confirmation of the presence of pyocyanin can be made by extraction with chloroform (CHCl ₃).	
	3. The formation of nonpigmented colonies does not completely rule out a Pseudomonas aeruginosa isolate.	
	4. A pyocyanin – producing Pseudomonas strain will usually also produce fluorescein.	

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	It must, therefore, be differentiated from other simple fluorescent pseudomonads by other means. Temperature can be a determining factor as most other fluorescent strains will not grow at 35°C. Rather, they grow at 25-30°C.				
	5. Each lot of the medium has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's unique requirement				
	6. Further biochemical and serological testing is necessary for confirmation.				
Use :	Recommended for selective isolation of Pseudomonas species. The composition and performance of this medium are as per the specification laid down in ISO 13720:2010, EN ISO 11133:2014 (E) & Amd: 2020.				
Storage :	Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1482	52.4g/l	9.541 L	7.2 ± 0.2	CFC Supplement (BF093)	121 ⁰ 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 BIOMARKLABORATORIES publications.

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