PP021	**Pseudomonas Fluorescein Agar Plate**		
Formula			
Ingredients:		**gms/lit.**	
Casein enzymic hydrolysate		10.00	
Proteose peptone		10.00	
Dipotassium phosphate		1.50	
Magnesium sulphate		1.50	
Agar		15.00	
Final pH (at 25°C): 7.0 ± 0.2			
Directions:			
Label the ready to use plate (PP021). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.			
Principle:			
Casein enzymic hydrolysate and Proteose peptone provide carbon and nitrogen sources required for good growth and also aid in fluorescein production. Phosphate stimulates fluorescein production and has an inhibitory effect on pyocyanin. Dipotassium phosphate increases the phosphorus content over that supplied by the peptones. Magnesium Sulfate provides necessary cations for the activation of fluorescein production. Agar is solidifying agent. Glycerol, added during preparation of the medium, is a carbon source. The medium enhances the elaboration of fluorescein by Pseudomonas and inhibits the pyocyanin formation. The fluorescein pigment diffuses from the colonies of Pseudomonas into the agar and shows yellow fluorescent coloration. Some Pseudomonas strains produce small amounts of pyocyanin resulting in a yellow-green coloration. Temperature can be a determining factor as most other fluorescent strains will not grow at 35°C. Rather, they grow at 25-30°C.			
(I) QC Tests			
	pH:	7.0 ± 0.2	
	Color:	Yellow coloured medium.	
	Appearance:	Sterile Pseudomonas Fluorescein Agar in 85mm disposable plates.	
(II)Sterility test		Passes release criteria	
(III)Q.C. Test Microbiological			
	Cultural characteristics observed after incubation at 35-37°C for 18-24 hours.		
	MICROORGANISM (ATCC)	GROWTH	COLOR OF COLONY
	Pseudomonas aeruginosa17934	luxuriant	Greenish yellow
	Pseudomonas aeruginosa 27853	luxuriant	Greenish yellow

Refer disclaimer Overleaf

Rev: January2022

Precautions :	1. In Vitro diagnostic use only.
	2. Read the label before opening the container
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 detection of fluorescein production by Pseudomonas species
Storage:	Store between 15-25°C. Use before expiry date on the label.
Packing:	20/50 disposable plates.