MM0101 Fluorescence agar

Use and description:
This formulation is optimised for the detection of *Pseudomonas* spp. by producing fluorescent pigment (pyoverdin), via balanced ion concentration and peptones. Pyoverdin turns the culture medium a fluorescent green colour detectable by UV lamp. CN supplement might be added to increase selectivity.This medium is recommended by USP for Microbial Limit Tests.

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Composition per liter:

Acid casein	10.0 g
Meat peptone	10.0 g
Dipotassium-H-phosphate	1.5 g
Magnesium sulfate	1.5 g
Agar	14.0 g

Final pH of the ready to use medium: 7.2 ± 0.2

Medium preparation: Add 37.0 grams of dehydrated culture medium and 10 g glycerol to 1 liter distilled water until evenly dispersed with stirring. Sterilised at 121°C for 15 minutes.

Quality specification:
Dehydrated medium: homogeneous, pinkish coloured, fine powder.
Ready to use medium: yellow beige, clear agar

Microbiological response:

Organism	Result / Motility
Escherichia coli ATCC 25922	growth, fluorescein -
Pseudomonas aeruginosa ATCC 27853	growth, fluorescein +

Storage: Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.