PRODUCT INFORMATION

Pseudomonas Isolation Agar

Cat. No. P16-114

DESCRIPTION

Pseudomonas Isolation Agar is a modification of a formula described by King, Ward and Raney. It is especially useful in the isolation of Pseudomonas from clinical specimens. The incorporation of Irgansan selectively inhibits most bacteria but allows the growth of Pseudomonas, and the addition of glycerol enhances pyocyanin production.

FORMULA (g/L)

Pancreatic Digest of Gelatin	20.0 g	Agar	13.6 g
Potassium Sulfate	10.0 g	Irgasan	0.025 g
Magnesium Chloride	1.4 g		

Final pH: 7.0 ± 0.2 at 25 ºC

*Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 45 grams of the medium in 980 mL of purified water. Add 20 mL of glycerol while heating to facilitate drainage from pipet. Heat with repeated stirring until boiling to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogenous, free flowing and light beige to beige.
2. Visually the prepared medium is yellow beige with trace to slight haze.
3. Expected cultural response after 18-24 hours at 35 ºC.

ORGANISM	RESULT
Escherichia coli ATCC 25922	Inhibited
Staphylococcus aureus ATCC 25923	Inhibited
Pseudomonas aeruginosa ATCC 10145	Good Growth – Blue-green colonies
Pseudomonas aeruginosa ATCC 27853	Good Growth – Blue-green colonies

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STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.

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