

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature.

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Gelling

Firm, comparable with 1.7% agar gel.

Colour and Clarity of prepared medium

Light amber coloured clear to slightly opalescent gel forms in Petri plates

Reaction

Reaction of 3.85% w/v aqueous solution at 25°C. pH : 7.3±0.1

pH

7.20-7.40

Cultural Response

Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 24 hours.

Organism	Inoculum (CFU)	Growth	Recovery	Colour of Colony
<i>Escherichia coli</i> ATCC 25922	50-100	luxuriant	≥70%	pink-purple
<i>Pseudomonas aeruginosa</i> ATCC 27853	50-100	luxuriant	≥70%	greenish pigment may be observed
<i>Staphylococcus aureus</i> ATCC 25923	50-100	luxuriant	≥70%	colourless - golden yellow
<i>Enterococcus faecalis</i> ATCC 29212	50-100	luxuriant	≥70%	blue
<i>Klebsiella pneumoniae</i> ATCC 13883	50-100	luxuriant	≥70%	metallic blue

Storage and Shelf Life

Store dehydrated powder and prepared medium at 2-8°C. Use before expiry period on the label.

Reference

- Mueller J. H. and Hinton J., 1941, Proc. Soc. Exp. Biol. Med., 48:330.
- National Committee for Clinical Laboratory Standards, 2000, Approved Standard: M7-A5. Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that grow aerobically, 5th Ed., NCCLS, Wayne, Pa.

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