

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

Light yellow to light green homogeneous free flowing powder

Colour and Clarity of prepared medium

Bluish green coloured very slightly opalescent solution in tubes.

Reaction

Reaction of 6.02% w/v aqueous solution at 25°C. pH : 5.5±0.2

pH

5.30-5.70

Cultural Response

Cultural characteristics observed in tubes containing inverted Durham's tubes after an incubation at 35-37°C for 40-48 hours for bacteria and at 30-32°C upto 5 days for yeast.

Organism	Inoculum (CFU)	Growth	Acid	Gas
<i>Escherichia coli</i> ATCC 25922 (00013*)	50-100	fair-good	positive reaction, yellow colour	positive
<i>Lactobacillus fermentum</i> ATCC 9338	50-100	fair-good	positive reaction, yellow colour	slightly positive
<i>Saccharomyces cerevisiae</i> ATCC 9763 (00058*)	50-100	good	positive reaction, yellow colour	positive

Key : *Corresponding WDCM numbers.

Tupsbhf boe Tifmg Mjgf

Store between 10-30°C in a tightly closed container and the prepared medium at 15-25°C. Use before expiry date on the label. On opening, product should be properly stored dry, after tightly capping the bottle in order to prevent lump formation due to the hygroscopic nature of the product. Improper storage of the product may lead to lump formation. Store in dry ventilated area protected from extremes of temperature and sources of ignition Seal the container tightly after use. Use before expiry date on the label.

Product performance is best if used within stated expiry period.

3. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.

4. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

Reference

1. Green S. R. and Gray P. P., 1950, Wallerstein Lab. Commun., 12:43

2. Green S. R. and Gray P. P., 1950, Wallerstein Lab. Commun., 13:357

3. MacFaddin J. F., 1985, Media for Isolation-Cultivation- Identification- Maintenance of Medical Bacteria, Vol.1, Williams & Wilkins, Baltimore, Md.

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