

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Colour and Clarity of prepared medium

Cream coloured opaque solution

Reaction

Reaction of 7.0% w/v aqueous solution at 25°C. pH : 7.0±0.2

pH

6.80-7.20

Cultural Response

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.(Recovery is observed on XLD Agar, M031I)

Cultural Response

Organism	Growth	Inoculum (CFU)	Recovery
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Cultural Response

<i>Salmonella Enteritidis</i> ATCC 13076	luxuriant	50-100	≥50%
<i>Salmonella Typhi</i> ATCC 6539	luxuriant	50-100	≥50%
<i>Salmonella Typhimurium</i> ATCC 14028	luxuriant	50-100	≥50%
<i>Salmonella Choleraesuis</i> ATCC 12011	luxuriant	50-100	≥50%
<i>Salmonella paratyphi A</i> ATCC 9150	luxuriant	50-100	≥50%
<i>Salmonella paratyphi B</i> ATCC 8759	luxuriant	50-100	≥50%

Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium between 2-8°C. Use before expiry date on the label.

Reference

1. Vanderzant C. and Splittstoesser D. F., (Eds.), 1992, Compendium of Methods for the Microbiological Examination of Foods, 3rd Ed., APHA, Washington, D.C.
2. Edel W. and Kampelmacher E. H., 1973, Bull. Wld. Hlth. Org., 48: 167.
3. Angelotti R., 1963, "Microbiological Quality of Foods", Academic Press, New York.
4. Sadowski A. Y., 1977, J. Food Technol., 12:85.
5. International Organization for Standardization (ISO), 2002, Draft ISO/DIS, 6579.

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