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This medium is general purpose medium and may not support the growth of fastidious organisms.

### 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 pink to purple homogeneous free flowing powder

#### Gelling

Firm, comparable with 1.5% Agar gel

#### Colour and Clarity of prepared medium

Orangish pink coloured, clear to slightly opalescent gel with fine precipitate forms in Petri plates.

#### Reaction

Reaction of 4.15% w/v aqueous solution at 25°C. pH : 7.5±0.2

#### pH

7.30-7.70

#### Cultural Response

M029: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.

Organism	Inoculum (CFU)	Growth	Recovery	Colour of Colony
<b>Cultural Response</b>				
<i>Bacillus subtilis</i> ATCC 6633	≥10 <sup>3</sup>	inhibited	0%	
<i>Enterobacter aerogenes</i> ATCC 13048	50-100	good-luxuriant	≥50%	pink
<i>Enterococcus faecalis</i> ATCC 29212	50-100	none-poor	≤10%	pink, small
<i>Escherichia coli</i> ATCC 25922	50-100	good-luxuriant	≥50%	pink to rose red with metallic sheen
<i>Klebsiella pneumoniae</i> ATCC 13883	50-100	good-luxuriant	≥50%	pink, mucoid
<i>Proteus vulgaris</i> ATCC 13315	50-100	good-luxuriant	≥50%	colourless to pale pink
<i>Pseudomonas aeruginosa</i> ATCC 27853	50-100	good-luxuriant	≥50%	colourless, irregular
<i>Salmonella Typhi</i> ATCC 6539	50-100	good-luxuriant	≥50%	colourless to pale pink
<i>Shigella sonnei</i> ATCC 25931	50-100	good-luxuriant	≥50%	colourless to pale pink
<i>Staphylococcus aureus</i> ATCC 25923	≥10 <sup>3</sup>	inhibited	0%	
<i>Enterobacter cloacae</i> ATCC 13047	50-100	good	40-50%	pink
<i>Salmonella Typhimurium</i> ATCC 14028	50-100	good-luxuriant	≥50%	colourless
<i>Salmonella Enteritidis</i> ATCC 13076	50-100	good-luxuriant	≥50%	colourless
<i>Shigella flexneri</i> ATCC 12022	50-100	good-luxuriant	≥50%	colourless

## Storage and Shelf Life

Store below 30°C in tightly closed container and prepared medium at 2 - 8°C and away from light to avoid photooxidation. Use before expiry date the label.

## Reference

1. Endo S., 1904, Zentralbl. Bakteriol., Abt. 1, Orig.35:109-11
2. Eaton A. D., Clesceri L. S., Rice E. W. and Greenberg A. W., (Eds.), 2005, Standard Methods for the Examination of Water and Wastewater, 21st Ed., APHA, Washington, D.C.
3. Downes F. P. and Ito K.,(Eds.), 2001, Compendium of Methods for the Microbiological Examination of foods, 4th Ed., American Public Health Association, Washington, D.C.
4. Wehr H. M. and Frank J. H., 2004, Standard Methods for the Microbiological Examination of Dairy Products, 17th Ed., APHA Inc., Washington, D.C.
5. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2<sup>nd</sup> Edition.

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