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QUALITY CONTROL CERTIFICATE

Date :

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Product : MacConkey 3 Agar / XLD Agar (Two Compartments)

Catalog No. : ISO-S1090

Manufacture Date :

Batch No. :

Expiry Date :

A. PHYSICAL CHARACTERISTICS

1. Plate appearance : Reddish opalescent (Mac3) & Red, very slightly opalescent (XLD)
- 2 pH at 25°C : (pH specification range: 7.1 ± 0.2) MacConkey No 3
- 3 pH at 25°C : (pH specification range: 7.4 ± 0.2) XLD Agar
- 34 Sterility : Passed inspection after 3 days.

B. BIOLOGICAL PERFORMANCE

Representative samples of this batch were inoculated with the test organisms, incubated under appropriate atmospheric conditions and gave cultural responses as indicated:

Test Organisms	ATCC®	Inoculum (CFU'S)	Incubation	Result
Mac Conkey 3 Agar				
<i>Escherichia coli</i>	25922	100-1,000	35±2°C, Aerobic, 24 hr	Growth, pink colonies with slight bile precipitate.
<i>Proteus mirabilis</i>	12453	100-1,000	35±2°C, Aerobic, 24 hr	Growth, colourless colonies, swarming inhibited (partial).
<i>Salmonella typhimurium</i>	14028	100-1,000	35±2°C, Aerobic, 24 hr	Growth, colourless colonies.
<i>Enterococcus faecalis</i>	29212	1,000-2,000	35±2°C, Aerobic, 24 hr	Inhibition (partial to complete).
XLD Agar				
<i>Escherichia coli</i>	25922	1,000-2,000	35±2°C, Aerobic, 24 hours	Inhibition (partial to complete), colonies yellow to yellow red with slight bile precipitate.
<i>Salmonella typhimurium</i>	14028	100-1,000	35±2°C, Aerobic, 24 hours	Satisfactory growth, colonies red with black centre.
<i>Shigella flexneri</i>	12022	100-1,000	35±2°C, Aerobic, 24 hours	Satisfactory growth, colonies red.
<i>Enterococcus faecalis</i>	29212	1,000-2,000	35±2°C, Aerobic, 24 hours	Inhibition (complete).

A satisfactory growth corresponds with moderate to heavy growth of the test organisms.

Representative samples of this lot were tested for microbial load and were found to be acceptable.

The pH stated was obtained at time of release, the pH may vary within the stated range depending on age of product and type of pH meter and probe used.

Results reported were obtained at time of release.

QC Manager