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QUALITY CONTROL CERTIFICATE

Date :

Page : 1 of 1

Product : Columbia Agar with 5% Horse Blood / MacConkey 3 Agar (Two Compartments)

Catalog No. : ISO-S1000

Manufacture Date :

Batch No. :

Expiry Date :

A. PHYSICAL CHARACTERISTICS

1. Plate appearance : Dark Red no Browning (COLHB) & Reddish opalescent (Mac3)
2. pH at 25°C : (pH specification range: 7.3 ± 0.2) Columbia Horse Blood Agar
pH at 25°C : (pH specification range: 7.1 ± 0.2) MacConkey 3 Agar
3. Sterility : Passed inspection after 5 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
Columbia Horse Blood Agar				
<i>Streptococcus pyogenes</i>	19615	100-1,000	35±2°C, CO ₂ , 24 hours	Satisfactory growth, beta hemolysis.
<i>Streptococcus pneumoniae</i>	6305	100-1,000	35±2°C, CO ₂ , 24 hours	Satisfactory growth, alpha hemolysis.
<i>Staphylococcus aureus</i>	25923	100-1,000	35±2°C, Aerobic, 24 hours	Satisfactory growth.
<i>Escherichia coli</i>	25922	100-1,000	35±2°C, Aerobic, 24 hours	Satisfactory growth.
<i>Shigella flexneri</i>	12022	100-1,000	35±2°C, Aerobic, 24 hours	Satisfactory growth.
MacConkey 3 Agar				
<i>Escherichia coli</i>	25922	100-1,000	35±2°C, Aerobic, 24 hours	Growth, pink colonies with slight bile precipitate.
<i>Proteus mirabilis</i>	12453	100-1,000	35±2°C, Aerobic, 24 hours	Growth, colourless colonies, swarming inhibited (partial).
<i>Salmonella typhimurium</i>	14028	100-1,000	35±2°C, Aerobic, 24 hours	Growth, colourless colonies.
<i>Enterococcus faecalis</i>	29212	1,000-2,000	35±2°C, Aerobic, 24 hours	Inhibition (partial to complete).

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