



ISOLAB SDN BHD (428427-T)

No. 5, Jalan Anggerik Mokara 31/46,
Kota Kemuning, 40460 Shah Alam,
Selangor Darul Ehsan, Malaysia.

Tel : +6 03-5122 5331 / 5122 5337

Fax : +6 03-5122 7191

E-mail : enquiry@isolab.com.my

Website : http://www.isolab.com.my

QUALITY CONTROL CERTIFICATE

Date :

Page : 1 of 1

Product : MacConkey II Agar with Sorbitol / XLD Agar (Two Compartments)

Catalog No. : ISO-S1080

Manufacture Date :

Batch No. :

Expiry Date :

A. PHYSICAL CHARACTERISTICS

1. Plate appearance : Reddish-purple, slightly opalescent (MacSor) & Red, very slightly opalescent (XLD)
- 2 pH at 25°C : (pH specification range: 7.1 ± 0.2) MacConkey II Agar with Sorbitol
pH at 25°C : (pH specification range: 7.4 ± 0.2) XLD Agar
- 3 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
MacConkey II Agar with Sorbitol				
<i>Escherichia coli</i>	25922	100-1,000	35±2°C, Aerobic, 24 hr	Growth, pink colonies with slight bile precipitate.
<i>S. typhimurium</i>	14028	100-1,000	35±2°C, Aerobic, 24 hr	Growth, pink to red colonies.
<i>Enterococcus faecalis</i>	29212	1,000-2,000	35±2°C, Aerobic, 24 hr	Inhibition (marked 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