



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 : Trypticase Soy Agar with 5% Sheep Blood (TSA II) / MacConkey 3 Agar (Two Compartments)

Catalog No. : ISO-S1110

Manufacture Date :

Batch No. :

Expiry Date :

A. PHYSICAL CHARACTERISTICS

1. Plate appearance : Cherry red, uniform mixing, no browning (TSAII) & Reddish opalescent (Mac3)
2. pH at 25°C : (pH specification range: 7.4 ± 0.2) TSAIISB
pH at 25°C : (pH specification range: 7.1 ± 0.2) MacConkey No 3
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
Trypticase Soy Agar with 5% Sheep Blood (TSA II)				
<i>Streptococcus pyogenes</i>	19615	30-300	35±2°C, CO ₂ , 24 hrs,	Satisfactory growth, beta hemolysis.
<i>Streptococcus pneumoniae</i>	6305	30-300	35±2°C, CO ₂ , 24 hrs,	Satisfactory growth, alpha hemolysis.
<i>Staphylococcus aureus</i>	25923	30-300	35±2°C, Aerobic, 24 hrs,	Satisfactory growth, beta hemolysis.
<i>Escherichia coli</i>	25922	30-300	35±2°C, Aerobic, 24 hrs,	Satisfactory growth.
CAMP Test				
<i>Streptococcus agalactiae</i>	12386 (Group B)		35±2°C, Aerobic, 24 hrs,	Arrowhead area of clearing.
<i>Streptococcus pyogenes</i>	19615		35±2°C, Aerobic, 24 hrs,	No arrowhead formation.
MacConkey 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).

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