

**ISOLAB SDN BHD** (428427-T)

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QUALITY CONTROL CERTIFICATE

Date :

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Product : Andrade Broth with Mannitol, 5ml

Catalog No. : ISO-5161

Manufacture Date :

Batch No. :

Expiry Date :

A. PHYSICAL CHARACTERISTICS

- Media appearance : Reddish Pink
- pH at 25°C : (pH specification range: 7.4 ± 0.2)
- 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 indicated for carbohydrate /amino reagents were added into Andrade Peptone Broth

Test Organisms	ATCC ®	Inoculum (CFU'S)	Growth	Color	A.K+/-
<i>Escherichia coli</i>	25922	Undiluted	Growth	yellow	Acid
<i>Klebsiella pneumoniae</i>	13833	Undiluted	Growth	yellow	Acid
<i>Proteus vulgaris</i>	13315	Undiluted	No growth	Pink	Alkaline
<i>Enterobacter aerogenes</i>	13048	Undiluted	Growth	yellow	Acid

Acid = acid reaction (yellow) -A

Alkaline = alkaline reaction (red or pink) -K

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