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HCM109 Simmons Citrate Agar

Usages:

For the differentiation of Gram-negative bacteria on the basis of citrate utilization.

Principle:

Magnesium ions in various metabolic cofactors; ammonium dihydrogen phosphate to provide nitrogen; dipotassium hydrogen phosphate is the buffer; sodium citrate as a carbon source; agar as medium coagulant.

Formulation (per liter) :

Sodium chloride 5g

Magnesium sulfate 0.2g

Ammonium dihydrogen phosphate 0.2g

Sodium ammonium phosphate 0.8g

Sodium citrate 2g

Agar 15g

Bromothymol blue 0.08g

Final pH 7.0 ±0.2

How to use:

- 1.Suspend 23.3g in 1 L of distilled water , stirring heated to boiling until completely dissolved, dispensing flask, 121 °C autoclave for 15min.
- 2.Diluted and treated samples.

Storage: Keep container tightly closed, store in a cool, dry place, away from bright light. Storage period of 3 years.

Specifications: 500g/bottle

Reference:

1. GB / T4789.5-2003 People's Republic of China national standards of food hygiene microbiological testing of Shigella test
2. "People's Republic of China Pharmacopoeia" 2005 edition Appendix XI J microbial limits.