



Guangdong Huankai Microbial Sci. & Tech.Co.,Ltd.

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HCM015 Urea Agar Base

Usages:

For differentiating enteric bacteria based on urease activity by adding 40% sterile urea solution.

Principle:

Peptone provides the carbon and nitrogen; maintain a balanced osmotic sodium chloride; potassium dihydrogen phosphate is buffers; decomposing bacteria urease urea medium, produce large amounts of ammonia, agar as medium coagulant.

Formulation (per liter):

Peptone 1g

Sodium chloride 5g

Glucose 1g

Ppotassium dihydrogen phosphate 2g

Phenol red 0.012g

Agar 12g

Final pH7.2 ±0.2

How to use:

1.Suspend 21g in 1L of distilled or deionized water. Heat with frequent agitation and boil to completely dissolve the powder. Distribute into flasks. Autoclave at 121°C for 15 minutes. cooling to 50-55 °C and adding 40% urea solution.

2.Diluted and treated samples.

Storage: Store in a dark, cool and dry place, tighten the cap immediately after use. Storage period of three years.

Specifications: 500g/bottle

***Supplement : 029100 40% urea solution**

Reference:

1.GB/T4789.4-2003 People's Republic of China national standards of food hygiene Examination of Salmonella microorganisms

2.GB/T4789.28-2003 People's Republic of China national standards of food hygiene microbiological examination Staining, media and reagents

3.SN0170-92 People's Republic of China Import and Export Commodity Inspection industry standard Salmonella food for export (including Arizona bacteria) test method

4.GB/T4789.4-2008 People's Republic of China national standards of food hygiene Examination of Salmonella microorganisms

5.GB 4789.4-2010 national standards for food safety standards of food hygiene inspection and



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microbiological testing of salmonella People's Republic of China

6.GB 13091-91 People's Republic of China National Standard Test Method for Salmonella in feed

7. "People's Republic of China Pharmacopoeia" 2010 edition, Appendix XI J microbial limits.

8. ISO 6579: 2002 Microbiology of food and animal feeding stuffs ----- Horizontal method for the detection of Salmonella spp.