



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

广东环凯微生物科技有限公司

Add: No.788,Shenzhou Road,Guangzhou Science City,
Guangzhou,Guangdong Province,China
Tel: +86-20-32078333-8654 FAX: +86-20-32078333-8803
E-mail: hugochiang@163.com

HCM012 Xylose Lysine Desoxycholate Agar (XLD)

Usages:

For selective isolation of Gram-negative bacteria, especially for Shigella and Salmonella.

Principle:

Yeast extract powder provide nitrogen, vitamins, growth factors; sodium chloride to maintain osmotic equilibrium ferric ammonium citrate of iron salts to produce a black iron sulfide; agar as medium coagulant; phenol red as pH indicator.

Formulation (per liter) :

Xylose 3.50g

L-Lysine 5.00g

Lactose 7.50g

Sucrose 7.50 g

Sodium Chloride 5.00 g

Yeast Extract 3.00g

Sodium Desoxycholate 2.50g

Sodium Thiosulphate 6.80g

Fe-Ammonium Citrate 0.80g

Phenol Red 0.08g

Agar 13.50

Final PH 7.4 ± 0.2

How to use:

- 1.Suspend 55.2g in 1Lof distilled or deionized water. Heat with frequent agitation and boil to completely dissolve the powder. Do not autoclave ,cool to 50°C and pour into sterile petri dishes.
- 2.Dilluted and treated samples.

Quality control:

Quality control strains were inoculated ,and cultured at $36 \pm 1^{\circ}\text{C}$ for 24h ,results show as follows:

strain name	strain code	growth	feature
Arizona bacteria	CMCC (B) 47001	good	black colonies
Salmonella typhimurium	CMCC (B) 50115	good	black colonies
Streptococcus faecalis	CMCC32223	prohibited	--

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



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

广东环凯微生物科技有限公司

Add: No.788,Shenzhou Road,Guangzhou Science City,
Guangzhou,Guangdong Province,China
Tel: +86-20-32078333-8654 FAX: +86-20-32078333-8803
E-mail: hugochiang@163.com

Specifications: 500g/bottle

Reference:

1. GB / T 4789.4-2008 People's Republic of China national standards of food hygiene - Examination of Salmonella
2. ISO 6579: 2002 Microbiology of food and animal feeding stuffs ----- Horizontal method for the detection of Salmonella spp.
3. ISO21567: 2004 Microbiology of food and animal feeding stuffs ----- Horizontal method for the detection of Shigella spp.