



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

广东环凯微生物科技有限公司

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HCM024 Blood Agar Base

Usages:

For the growth of pathogenic and non-pathogenic microorganisms.

Principle:

Polypeptone provide carbon and nitrogen sources, vitamins and growth factors; Neisseria starch can promote the growth characteristics and enhanced hemolytic streptococci; sodium chloride to maintain osmotic balance; agar as culture medium coagulant.

Formulation (per liter):

Peptone: 10g

Beef extract powder :10g

Sodium chloride: 5g

Agar :15g

Final pH 7.4 ±0.2

How to use:

1. Suspend 40g of the product, adding 1 L of distilled or deionized water, ,heated to boiling stirring until completely dissolved, dispensing into flask, 121 °C autoclaved 15min.
- 2.After the medium is cooled to about 50 °C, sterile procedures, basal medium was added per 100mL defibrinated sheep or rabbit blood 5-10mL, shake pour plate; also dispensing sterile tubes set into the slope. Spare.
3. take the bacteria to be tested fresh pure cultures inoculated crossed or coated on the plate, set the temperature of the incubator training requirements were cultured for a predetermined time.
4. Observe the results.

Quality control:

The following were inoculated after 36 ± 1 °C for 24h , the results are as follows:

bacteria name	bacteria No.	growth status	colony characteristics
Escherichia coli	ATCC25922	not good	hemolysis
Staphylococcus aureus,	ATCC6538	good	β-hemolytic
Beta-hemolytic streptococcus	CMCC (B) 32210	good	β-hemolytic
Streptococcus pneumoniae	CMCC (B) 31001	good	α-hemolytic

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



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Specifications: 500g/bottle

***Supplement : Defibrinated sheep blood / rabbit blood**

References:

- 1.GB/T4789.10-2003 People's Republic of China National Standard Microbiological examination of food hygiene inspection Staphylococcus aureus
- 2.GB/T4789.28-2003 People's Republic of China National Standard Microbiological examination of food hygiene staining, media and reagents
3. Methods of microbiological examination Hygienic Standard for Cosmetics 2007 edition
- 4.GB/T4789.10-2008 People's Republic of China National Standard Microbiological examination of food hygiene inspection Staphylococcus aureus
- 5.GB/T4789.37-2008 People's Republic of China national standards of food hygiene Microbiological examination of Staphylococcus aureus count
- 6.GB 4789.10-2010 People's Republic of China national standards of food safety standards Microbiological examination of food hygiene inspection Staphylococcus aureus
- 7.GB15979-2002 People's Republic of China national standard disposable sanitary hygiene standards
- 8.GB 4789.30-2010 People's Republic of China national standards of food safety standards of food hygiene Microbiological examination of Listeria monocytogenes bacteria test
- 9.ISO11290-1: 1996 Microbiology of food and animal feeding stuffs ---- Horizontal method for the detection and enumeration of Listeria monocytogenes Part1; Detection method