

Blood Agar Base

Product Number: BAB-250g

Product details

Formula of culture medium (per liter); pH7.3 ± 0.1(25°C)

Component	Weight
Peptone	10.0g
Beef Extract	3.0g
Sodium Chloride	5.0g
Agar	15.0g

Ancillary Reagents

Sterile Defidrated Sheep Blood

Instructions

Weigh 33.0g of this product into 1L of distilled water or deionized water (the preparation amount can be increased or decreased proportionally), heat and boil until completely dissolved, package, sterilize at 121°C for 15 minutes or 115°C for 30 minutes, shake well after sterilization to prevent agar from settling at the bottom of the vessel and solidifying, cool to 50-55°C, and slowly add 5-7% sterile defatted sheep blood that has been insulated at 35°C along the bottle wall for aseptic operation. Gently shake well, pour onto a plate, solidify, and set aside.

Quality control example

1. Physical and chemical testing

Inspection items	Inspection standards	Inspection results
Powder appearance	Light yellow powder, uniform and free of impurities	Light yellow powder, uniform and free of impurities
Solution or colloid	Light yellow, transparent and free of impurities	Light yellow, transparent and free of impurities
Gel strength	550 ~ 650g/cm ²	640g/cm ²
pH(25°C)	7.3±0.1	7.33
Moisture content	≤5%	2.5%

2. Sensitivity test (adding sterile defuzzified sheep blood, cultured at 35 ± 2°C for 48 hours)

Quality control strains	Inoculation amount	Growth	Conclusion
Escherichia Coli ATCC 25922	10-100CFU	Good growth, β hemolysis	Pass
Staphylococcus aureus ATCC 25923	10-100CFU	Good growth, β hemolysis	Pass
Beta hemolytic streptococcus ATCC 21059	50-200CFU	Good growth, β hemolysis	Pass
Streptococcus pyogenes ATCC 19615	50-200CFU	Good growth, α hemolysis	Pass
Neisseria meningitidis ATCC 13090	50-200CFU	Good growth, γ hemolysis	Pass

Conclusion: The physical, chemical, and sensitivity of the product are both qualified, and the product is qualified.