

Violet Red Bile Glucose Agar

Product Number: VRBG-250g

Product details

Formula of culture medium (per liter); pH7.4 ± 0.2(25°C)

Component	Weight
Pancreatic Digest of Gelatin	7.0g
Yeast Extract	3.0g
Bile Salts	1.5g
Sodium chloride	5.0g
Glucose monohydrate	10.0g
Neutral Red	0.03g
Crystal Violet	0.002g
Agar	15.0g

Instructions

Weigh 41.5g of this product into 1L of distilled water or deionized water (the preparation amount can be increased or decreased proportionally), heat and boil for 1 minute to completely dissolve, cool to around 55°C, pour into a petri dish, cool, and set aside.

Quality control example

1. Physical and chemical testing

Inspection items	Inspection standards	Inspection results
Powder appearance	Light dark red powder	Light dark red powder
Solution or colloid	Red, transparent and free of impurities	Red, transparent and free of impurities
Gel strength	500 ~ 650g/cm ²	600g/cm ²
pH(25°C)	7.4±0.2	7.49
Moisture content	≤5%	3.5%

2. Sensitivity test(30-35 °C cultivation inspection standard: Growth rate ≥75%)

Quality control strains	Growth rate	Conclusion
Salmonella paratyphoid type B CMCC(B)50094	91% red colonies with bile salt precipitation zone around them	Pass
Escherichia Coli CMCC(B)44102	95% red colonies with bile salt precipitation zone around them	Pass
Staphylococcus aureus CMCC(B)26003	Thoroughly suppress	Pass
Pseudomonas aeruginosa CMCC(B)10104	88% red colonies with bile salt precipitation zone around them	Pass

Conclusion: The physical and chemical properties, growth promoting ability, indicating ability, and antibacterial ability of the product are all qualified, and the product is qualified.