

# Quality control certificate



## Violet Red Bile Agar with Glucose (VRBG) EP/USP/ISO

N° Cat: 1092

N° Lote: 912131

Re-test Date: 12/2023

Regulations: USP / ISO 11133 / European Pharmacopoeia / ISO 21528

### Formula in g/l

Bacteriological agar	15	Bile salts	1,5
Crystal violet	0,002	Gelatin pancreatic digest	7
Glucose monohydrate	10	Neutral red	0,03
Sodium chloride	5	Yeast extract	3

### Quality control

Solubility	Appearance	Color of the dehydrated medium	Color of the prepared medium	Final pH (25°)	Lote pH
w/o rests	Fine powder	Beige reddish	Purple-red	7,4 ± 0,2	7,3

### Microbiological test

According to Pharmacopoeia; Escherichia coli ATCC 8739 and Pseudomonas aeruginosa ATCC 9027:

Incubation conditions: (30-35 °C / 18-24 h)

Inoculation conditions: (<=100 CFU)

According to ISO 11133; Escherichia coli ATCC 8739, Escherichia coli ATCC 25922, Salmonella STM ATCC 14028 and Enterococcus faecalis ATCC 29212:

Incubation conditions: Productivity and Selectivity (37±1 °C/ 24±2 h)

Inoculation conditions: Productivity quantitative (100±20. Min.50 CFU) / Productivity qualitative (10<sup>3</sup>-10<sup>4</sup> CFU) / Selectivity (10<sup>4</sup>-10<sup>6</sup> CFU).

Reference media: TSA.

Microorganisms	Specification	Recovery rate (%)	Characteristic reaction
Salmonella typhimurium ATCC 14028	Good growth >50%	94%	Pink to red colonies with or without precipitation halo
Escherichia coli ATCC 25922	Good growth >50%	75%	Pink to red colonies with or without precipitation halo
Enterococcus faecalis ATCC 29212	Total inhibition		
Escherichia coli ATCC 8739	Good growth >50%	81%	Pink to red colonies with or without precipitation halo
Pseudomonas aeruginosa ATCC 9027	Good growth		

This certificate is an electronic copy of the certificate available in our laboratory and does not require signature.