

Violet Red Bile Glucose Agar (VRBD) acc. to harm. EP/USP/JP

TN 1042 500 g



Intended use

Test for bile tolerant gram-negative bacteria. Culture medium for testing non-sterile products. This medium is based on the recommendations of the harmonised method according to EP/USP/JP (2006).

Form

Powder

Colour

Reddish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Directions

Suspend 41.5 g in 1 litre distilled water and bring to the boil while stirring. Boil for 1-2 minutes until completely dissolved. Do not autoclave! Mix well before pouring.

Typical composition

| Component | g/l |
|------------------------------|-------|
| Yeast extract | 3.0 |
| Pancreatic digest of gelatin | 7.0 |
| Bile salts | 1.5 |
| Sodium chloride | 5.0 |
| Glucose monohydrate | 10.0 |
| Neutral red | 0.03 |
| Crystal violet | 0.002 |
| Agar | 15.0 |

Final pH at 25 °C

7.4 ± 0.2

Microbiological quality control

| Test strain | CFU/ plate | Recovery rate test / inoculum | Colony morphology | Incubation |
|---|------------|----------------------------------|--|-------------------------------------|
| <i>Escherichia coli</i> ATCC 8739 | 10-100 | ≥ 50 % | red colonies with possible precipitate halo | aerobically, max. 18 h, 30-35 °C |
| <i>Escherichia coli</i> ATCC 25922 | 10-100 | ≥ 50 % | red colonies with possible precipitate halo | aerobically, max. 18 h, 30-35 °C |
| <i>Escherichia coli</i> ATCC 10536 | 10-100 | ≥ 50 % | red colonies with possible precipitate halo | aerobically, max. 18 h, 30-35 °C |
| <i>Salmonella Typhimurium</i> ATCC 14028 | 10-100 | ≥ 50 % | red colonies | aerobically, max. 18 h, 30-35 °C |
| <i>Shigella flexneri</i> ATCC 29929 | 10-100 | ≥ 50 % | red colonies | aerobically, max. 18 h, 30-35 °C |
| <i>Pseudomonas aeruginosa</i> ATCC 9027 | 10-100 | ≥ 50 % | colourless colonies | aerobically, max. 18 h, 30-35 °C |
| <i>Pseudomonas aeruginosa</i> ATCC 27853 | 10-100 | ≥ 50 % | colourless colonies | aerobically, max. 18 h, 30-35 °C |
| <i>Staphylococcus aureus</i> ATCC 6538 | 100-1000 | n. a. | n. a. | aerobically, min. 24 h, 30-35 °C |
| <i>Staphylococcus aureus</i> ATCC 6538P | 100-1000 | n. a. | n. a. | aerobically, min. 24 h, 30-35 °C |
| <i>Staphylococcus aureus</i> ATCC 25923 | 100-1000 | n. a. | n. a. | aerobically, min. 24 h, 30-35 °C |
| <i>Enterococcus faecalis</i> ATCC 19433 | 100-1000 | n. a. | n. a. | aerobically, min. 24 h, 30-35 °C |
| <i>Staphylococcus epidermidis</i> ATCC 14990 | 100-1000 | n. a. | n. a. | aerobically, min. 24 h, 30-35 °C |

Datum der Fassung: 2014/03/20