

ISO 21528-1:2004

Scheda 56 : Violet red bile glucose agar

Violet red bile glucose (VRBG) agar

Basal medium

Enzymatic digest of animal tissues	7,0 g
Yeast extract	3,0 g
Bile salts n. 3	1,5 g
Glucose	10,0 g
Sodium chloride	5,0 g
Neutral red	0,03 g
Crystal violet	0,002 g
Agar	9 g to 18 g (*)
Water	1000 ml

(*) Depending on the gel strength of the agar

Preparation

Dissolve the components or the dehydrated complete medium in the water by boiling.

Adjust the pH, if necessary, so that after boiling it is $7,4 \pm 0,2$ at 25 °C.

Dispense the culture medium into sterile tubes or flasks (6.5) of appropriate capacity.

Do not sterilize the medium.

Use the molten medium within 4 h of its preparation.

Preparation of agar plates

Immediately transfer approximately 15 ml of the culture medium, cooled to between 44 °C and 47 °C (6.4).
to

Petri dishes (6.7) and allow to solidify.

Just before use, dry the plates, preferably with the lids off and the agar surface downwards, in a drying cabinet

(6.3) until the agar is dry.

If prepared in advance, the undried plates may be stored in conditions that do not change their composition for

up to 2 weeks at $5\text{ °C} \pm 3\text{ °C}$.

Performance testing for the quality assurance of the culture medium

For the definition of selectivity and productivity, refer to ISO/TS 11133-1. For the performance criteria, refer to ISO/TS 11133-2:2003. Table 0.1.