

Azid-Glucose-Bouillon nach Rothe

Abbreviazione: AGB
Numero articolo: 60-1103
Scheda: Vial, 9ml
Colore: Clear, gold-yellowish
Condizioni di stoccaggio prodotti: Dry, closed at 15-22°C
Data di scadenza: 2 Months
Valore pH: 7.2 ± 0.2 at 25°C



Destinazione e applicazione

Azide-glucose broth is very nutritious and offers very good growth conditions. The sodium azide contained in it serves as an inhibitor of gram-negative bacteria. Azide Glucose Broth is used to study water and waste water for fecal contamination. The presence of enterococci is considered an indicator of contamination, as they have a relatively high tolerance to chlorine compared to Escherichia coli. The contained sodium azide suppresses the gram-negative accompanying flora of the enterococci.

Composizione tipica

in g per 1l Nutrient medium

Peptone	19.8
Glucose	7.5
Sodium chloride	7.5
Sodium azide	0.2

*Adjusted as required to meet performance standards

Controlli di qualita' microbiologici

The microbial performance test is carried out in conformity with the requirements of DIN EN ISO 11133.

Productivity

Incubation conditions: 44 ± 4 hours at 36 ± 2 °C; Inoculum concentration: 80 – 120 CFU

Organism	Test strain	Specification	Colony morphology
Enterococcus faecalis	ATCC 19433 / WDCM 00009	Significant, cloudy	Vaccination and Enterococcus-selective agar according to Slanetz-Bartley
Enterococcus faecium	ATCC 6057 / WDCM 00177	Significant, cloudy	Vaccination and Enterococcus-selective agar according to Slanetz-Bartley

Selectivity

Incubation conditions: 44 ± 4 hours 37 ± 1 °C; Inoculum concentration: 10.000 – 1.000.000 CFU

Organism	Test strain	Specification	Colony morphology
Staphylococcus aureus	ATCC 6538 / WDCM 00032	Complete inhibition	-
Escherichia coli	ATCC 8739 / WDCM 00012	Complete inhibition	-

Microbial Contamination

Incubation conditions: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

Specification

No microbial contamination