

Azid-Glucose-Bouillon nach Rothe

Shorthand symbol:	AGB
Item number:	60-1103
Format:	Vial, 9ml
Colour:	Clear, gold-yellowish
Storage conditions:	Dry, closed at 15-22°C
Shelf-life:	2 Months
pH:	7.2 ± 0.2 at 25°C



Intended use and fields of application

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.

Typical composition in g/l

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

Microbiological quality control

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