

Enterokokken-Selektiv-Agar nach Slanetz-Bartley (ESB)

According to ISO 7899-2:2000

Shorthand symbol:	ESB
Item number:	40-1132
Format:	Petri Dish, 90mm
Colour:	Yellowish to light red
Storage conditions:	Dry, in closed bag at 4 – 10°C.
Shelf-life:	4 Months
pH:	7.2 ± 0.2 at 25°C



Intended use and fields of application

Slanetz and Bartley Selective Agar for the isolation and identification of Enterococci in water. The Sodium Azide contained in the Slanetz and Bartley Selective Agar inhibits non-target microbiological flora ensuring a high selectivity for Enterococci. Tri-phenyl-tetrazolium chloride is added to the medium so that Enterococci colonies are visualised as red, maroon or pink coloured colonies.

Typical composition in g/l

in g per 1 Litre of Nutrient medium

Tryptose	20.0
Yeast Extract	5.0
Glucose	2.0
Di-Potassium Hydrogen Phosphate	4.0
Sodium Azide	0.4
2,3,5-Tri-Phenyl-Tetrazolium Chloride (TTC)	0.10
Agar	10.0

*Adjusted as required to meet performance standards

Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements ISO 11133:2014.

Productivity

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

Organism	Type Strain	Specification	Colony morphology
Enterococcus faecalis	ATCC 19433 / WDCM 00009	50 – 130 %	Red, maroon, pink colonies
Enterococcus faecium	ATCC 6057 / WDCM 00177	50 – 130 %	Red, maroon, pink colonies

Selectivity

Incubation conditions: 44 ± 4 Hours at 36 ± 2 °C; Inoculum concentration: 10.000 – 1.000.000 CFU

Organism	Type 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