CATC Agar (Base)

Citrate Azide Tween Carbonate Agar

TN1273 500 g

Intended use

Used for the isolation of enterococci from food.

Form

Powder

Colour

Beige

Storage

Dry, tightly closed, at 10...30 °C.

Shelf life

5 years

Directions

Suspend 54.5 g in 1 litre distilled water. Add 1 ml Tween® 80 per litre culture medium. Heat carefully, stirring frequently, until completely dissolved and cool down rapidly. Do not autoclave! Mix well and pour plates.

Typical composition

Components	g/l
Casein peptone	15.0
Yeast extract	5.0
Potassium dihydrogen phosphate	5.0
Sodium citrate	15.0
Sodium carbonate	2.0
2,3,5-Triphenyl tetrazolium chloride (TTC)	0.1
Sodium azide	0.4
Agar	12.0

Final pH at 25 °C

7.0 ± 0.2

Microbiological quality control

Incubation: aerobically, 22-48 h at 36 ± 1 °C, following additional 22-24 h at room temperature

Test strain	Inoculum (CFU / Plate)	Recovery in %	Colony morphology
Enterococcus faecalis ATCC 19433 (WDCM 00009)	80-120	≥ 50 %	red colonies
Enterococcus faecalis ATCC 29212 (WDCM 00087)	80-120	≥ 50 %	red colonies
Enterococcus hirae ATCC 8043 (WDCM 00089)	80-120	≥ 50 %	red colonies
Enterococcus faecium ATCC 35667	80-120	≥ 50 %	colourless or pink colonies with red centre
Enterococcus faecium ATCC 6057 (WDCM 00177)	80-120	≥ 50 %	colourless or pink colonies with red centre
Staphylococcus aureus ATCC 25923 (WDCM 00034)	10^4-10^6	≤ 0.1 %	n.a.
Escherichia coli ATCC 8739 (WDCM 00012)	10^4-10^6	≤ 0.1 %	n.a.
Escherichia coli ATCC 25922 (WDCM 00013)	10^4-10^6	≤ 0.1 %	n.a.

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