Count Agar, sugar-free acc. to FIL-IDF

TN1197 500 g

Intended use
Used for the germ count determination in milk and milk products. Microbiological quality control is carried out in accordance with ISO 11133 specifications in an EN ISO/IEC 17025 accredited test laboratory.

Form
Powder

Colour
Bright beige

Storage
Dry, tightly closed, at 10...30 °C.

Shelf life
5 years

Directions
Suspend 35 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

Typical composition (g/l)

Casein peptone	7.5
Gelatin peptone	7.5
Sodium chloride	5.0
Agar	15.0

Final pH at 25 °C
7.5 ± 0.2

Microbiological quality control
Incubation: aerobically, 40-48 h at 30 ± 1 °C, following additional 40-48 h at 22 ± 1 °C

Test strain	CFU / plate	Recovery Test / Inoculum in % *)	Colony morphology
Escherichia coli ATCC 25922 WDCM 00013	80-120	≥ 70 %	medium size yellowish colonies
Staphylococcus aureus ATCC 25923 WDCM 00034	80-120	≥ 70 %	small white colonies
Enterococcus faecalis ATCC 19433 WDCM 00009	80-120	≥ 70 %	very small white colonies
Pseudomonas aeruginosa ATCC 9027 WDCM 00026	80-120	≥ 70 %	medium size yellowish to greenish colonies
Bacillus cereus ATCC 11778 WDCM 00001	80-120	≥ 70 %	medium size dry colonies

*) Reference medium used: Blood Agar
A recovery rate of e.g. ≥ 70 % corresponds to a productivity ratio of PR ≥ 0.7.

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