Tryptone Glucose Yeast Extract Milk Agar
Plate Count Agar with Skimmed Milk

TN1190 500 g

Intended use
Used to determine complete germ counts in milk and dairy 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
Beige

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

Shelf life
5 years

Directions
Suspend 19.5 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

Typical composition (g/l)

Casein peptone	5.0
Yeast extract	2.5
Glucose	1.0
Skimmed milk powder, antibiotic-free	1.0
Agar	10.0

Final pH at 25 °C
7.0 ± 0.2

Microbiological quality control
Surface spatula method
Incubation: aerobically, 72 ± 3 h at 30 ± 1°C

Test strain	CFU / plate	Recovery in % *	Colony morphology
Staphylococcus aureus ATCC 25923 WDCM 00034	80-120	≥ 70 %	small whitish colonies
Staphylococcus aureus ATCC 6538 WDCM 00032	80-120	≥ 70 %	small whitish colonies
Escherichia coli ATCC 8739 WDCM 00012	80-120	≥ 70 %	medium-size whitish colonies
Escherichia coli ATCC 25922 WDCM 00013	80-120	≥ 70 %	medium-size whitish colonies
Bacillus subtilis ATCC 6633 WDCM 00003	80-120	≥ 70 %	large whitish colonies

Pour plate method
Incubation: aerobically, 72 ± 3 h at 30 ± 1°C

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

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