Yeast Extract Glucose Chloramphenicol Agar (YGC)

TN1144 500 g

Intended use
Used for the detection and determination of the colony count of yeasts and moulds from food. 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
3 years

Directions
Suspend 35.1 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

Typical composition (g/l)

Yeast extract	5.0
Glucose	20.0
Chloramphenicol	0.1
Agar	10.0

Final pH at 25 °C
6.6 ± 0.2

Microbiological quality control
Incubation: aerobically, 70-74 h at 20-25°C

Test strain	CFU / plate	Recovery Test / Inoculum in % *)	Colony morphology
Candida albicans ATCC 10231 WDCM 00054	80-120	≥ 50 %	whitish colonies
Saccharomyces cerevisiae ATCC 9763 WDCM 00058	80-120	≥ 50 %	off-white colonies
Aspergillus niger ATCC 16404 WDCM 00053	80-120	≥ 50 %	brown to black conidia on bright mycelium
Escherichia coli ATCC 25922 WDCM 00013	10^4-10^6	≤ 0.1 %	n.a.
Bacillus subtilis ATCC 6633 WDCM 00003	10^4-10^6	≤ 0.1 %	n.a.

*) Reference medium used: TSA and Sabouraud Agar
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

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