

# Tryptone Glucose Yeast Extract Agar (Plate Count Agar, TGE-Agar)

TN 1189 500 g



## Intended use

Used to determine complete germ counts in milk, dairy products (according to § 64 German Food and Feed Code), water and other test materials.

## Form

Powder

## Colour

Bright beige

## Storage

Dry, tightly closed, at 10...25 °C.

## Shelf life

5 years

## Typical composition

Component	g/l
Casein peptone	5.0
Yeast extract	2.5
Glucose	1.0
Agar	10.0

## Directions

Suspend 18.5 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

## Final pH at 25 °C

7.0 ± 0.2

## Microbiological quality control

Incubate Tryptone Glucose Yeast Extract Agar aerobically for 22-24 hours at 36 ± 1 °C.

Test strain	CFU / plate	Recovery rate in % test vs. control plate	Colony morphology
<i>Staphylococcus aureus</i> ATCC 6538	10-100	≥ 75 %	small whitish-yellow colonies
<i>Escherichia coli</i> ATCC 8739	10-100	≥ 75 %	medium-sized whitish colonies
<i>Streptococcus pyogenes</i> ATCC 12344	10-100	≥ 75 %	small whitish colonies
<i>Enterococcus durans</i> ATCC 10541	10-100	≥ 75 %	small whitish colonies
<i>Bacillus subtilis</i> ATCC 6633	10-100	≥ 75 %	large whitish colonies
<i>Bacillus cereus</i> ATCC 11778	10-100	≥ 75 %	medium-sized whitish colonies
<i>Candida albicans</i> ATCC 10231	10-100	≥ 25 %	small whitish colonies

Date of revision: 2016/03/07

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