Yeast Glucose Chloramphenicol Agar, YGC | AS-1381

Used for isolating and enumerating yeasts and molds in milk and dairy products.

A selective culture medium called Yeast Glucose Chloramphenicol (YGC) Agar is used to count and isolate yeasts and molds. An antibiotic called chloramphenicol is added to the medium to specifically suppress bacterial growth and improve fungal colony recovery.

While glucose provides a carbon source for fungal metabolism, yeast extract supplies vital nutrients. A large variety of fungal species are supported in their growth by the combination of these elements. When reliable fungal counts are needed, YGC agar is frequently used in the microbiological analysis of food, dairy products, and other materials.

Composition (gr/L)

Yeast extract	5
D (+) glucose	20
Chloramphenicol	0.1
Agar	14.9
Final pH at 25°C	6.6 ± 0.2

Preparation

Dissolve 40 g of the powder into 1 liter distilled water. Mix well. Autoclave at 121 °C for 15 minutes.

Quality Control

Dehydrated Appearance: Beige, free-flowing, homogeneous.

Prepared Appearance: Light amber, slightly opalescent.

Reaction of 4.0% Solution at 25°C: pH 6.6 ± 0.2

Microbial Test Results

Incubate at 25 ± 2 °C for up to 4 days.

Organism (ATCC)	Recovery
Saccharomyces cerevisiae (9763)	Good
Candida albicans (10231)	Good
Escherichia coli (25922)	Inhibition
Staphylococcus aureus (25923)	Inhibition

Storage

Keep the container at 15-30 °C and prepared medium at 2-8 °C.