



YGC AGAR

INTENDED USE

YGC (Yeast Extract Glucose Chloramphenicol) agar is a selective medium for the enumeration of yeasts and molds in foods, milk and other dairy products.

FORMULA

Ingredients in grams per liter of purified water

Yeast extract	5.00
Dextrose	20.00
Chloramphenicol	0.10
Agar	15.00

Adjusted and/or supplemented as required to meet performance criteria.

STORAGE

Bottles: 2 - 25°C

Dehydrated media: 2 - 30 °C

The expiration date on the product label applies to the product in its intact packaging when stored as directed.

DIRECTIONS FOR PREPARATION

For dehydrated media

1. Dissolve 40.1 g in 1 L of purified water. Mix thoroughly.
2. Heat with frequent agitation and boil for one minute to completely dissolve the medium.
3. Autoclave for 15 minutes at 115°C.

For bottle media

1. Heat the bottle at 95-100°C in water bath.
2. Mix well and cool to 45-47°C.
3. Pour in Petri plate and let solidified on a cool horizontal surface.

LIMITATION OF THE PROCEDURE

This product is for laboratory use only.

Avoid overheating a medium with an acidic pH, this may result in a soft medium.

QUALITY CONTROL

Physical appearance: Medium is solid, light amber

Final pH: 6.6 ± 0.2 at 25°C

Expected Cultural Response

Organism	Inoculum CFU	Incubation	Results
<i>Candida albicans</i> ATCC 10231 • WDCM 00054	10 - 10 ²	3 – 5 days at 20-25°C	Growth
<i>Escherichia coli</i> ATCC 8739 • WDCM 00012	> 10 ²	3 – 5 days at 20-25°C	Inhibition
<i>Saccharomyces cerevisiae</i> ATCC 9763	10 - 10 ²	3 – 5 days at 20-25°C	Growth

This is an example of organisms routinely used for testing

REFERENCE

1. ISO 6611:2004 [IDF 94:2004]. Milk and milk products - Enumeration of colony-forming units of yeasts and/or moulds - Colony-count technique at 25°C.
2. ISO 7698:1990. Cereals, pulses and derived products - Enumeration of bacteria, yeasts and moulds.
3. ISO 7954:1987. Microbiology - General guidance for enumeration of yeasts and moulds - Colony count technique at 25°C
4. ISO 15789:2009. Animal feeding stuffs - Isolation and enumeration of yeast probiotic strains - (*Saccharomyces cerevisiae*).

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