

**YGC Agar**

Catalog :HB0293-1

YGC Agar is used for isolation and culture of mould and yeast in milk and dairy products (ISO method).

**Approximate Formula:**

Ingredients	gm/liter
Yeast extract	5.0
Dextrose	20.0
Chloramphenicol	0.1
Agar	14.9
Final pH6.6±0.2 at 25°C	

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

**Directions:**

Suspend 40.0g of the medium in one liter of deionized or distilled water. Mix well and heat with frequent agitation. Sterilize in the autoclave at 121°C (15 lbs.) for 15 minutes. When cooling to 50°C, pour into sterile petri dishes.

**Principle and Interpretation:**

Dextrose provides the carbon source. Yeast extract provides nitrogen source. Chloramphenicol is a spectral antibiotic, which can inhibit gram-positive bacteria and gram-negative bacteria. Agar is the solidifying agent of the medium.

**Appearance:**

Dehydrated medium is a free-flowing yellowish powder. The prepared medium is a kind of yellowish transparent gel.

**Precautions:**

This medium is for laboratory use only. Dried medium which is past shelf life, caking or color variation cannot be used.

**Storage conditions and Shelf life:**

YGC Agar must be stored tightly capped in the original container at 5-30°C. The dehydrated medium has a shelf life of 3 years from date of manufacturing. Prepared medium may be stored, out of direct light at 2-8°C.

**Quality control:**

Inoculate and incubate at 20-25°C for 48-72 hours.

Microorganism	Strains Number	Inoculum (CFU)	Recovery
<i>Aspergillusniger</i>	ATCC 16404	20-200	Good
<i>Saccharomyces</i>	ATCC 18790	10-100	Good
<i>Candida albicans</i>	ATCC 10231	10-100	Good
<i>Escherichia coli</i>	ATCC 25922	100-1000	Inhibition