

Product Name : YG Agar

Medium for the isolation and cultivation of yeasts, molds and other microorganisms from soil and water.

FORMULA (G/L)

Yeast Extract 1.0
Glucose 1.0
Dipotassium Phosphate 0.3
Monopotassium Phosphate 0.2
Magnesium Sulfate Heptahydrate 0.2
Agar 15.0
Final pH = 6.9 ± 0.1 at 25°C.

DIRECTIONS

Suspend 17.7 G in 1 L of distilled water and add 5mL of 0.1% crystal violet solution. Boil to dissolve the medium completely. Sterilize by autoclaving at 121 °C for 15 minutes. Dispense in petri dishes.

DESCRIPTION

YG Agar is for the isolation and cultivation of yeasts, molds and other microorganisms from soil and water.

TECHNIQUE

Inoculate the specimen spreading on the surface of the medium. Incubate at 25-28°C for 48-72 hours.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: clear.

Color: purple.

Incubation conditions: 28 ± 2 °C / 40 - 72 hours.

Microorganism	ATCC	Growth
<i>Candida albicans</i>	10231	good
<i>Aspergillus niger</i>	16404	good
<i>Stapylococcus aureus</i>	25923	inhibited
<i>Escherichia coli</i>	25922	good

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STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-6°C.

REFERENCES

Atlas and Park (1993) Handbook of Micr. Media

PACKAGING

Cat. No : MB-Y0608 YG Agar	500 G
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