

Product Name : DG18 (Dichloran-Glycerol 18%) Agar Base

Selective agar with low water activity for the enumeration yeast and molds, especially enumeration and isolation of xerophilic molds.

TYPICAL FORMULA (G/L)

Peptone 5.0
Glucose 10.0
Monopotassium Phosphate 1.0
Magnesium Sulfate 0.5
Zinc Sulfate 0.01
Copper Sulfate 0.005
Dichloran 0.002
Chloramphenicol 0.05
Chlortetracycline 0.05
Agar 15.0
Final pH = 5.6 ± 0.2 at 25°C.

DIRECTIONS

Suspend 31.62 G in 1 L of distilled water and boil to dissolve the medium completely. Add 220 mL of Glycerol supplement (MB-G1821) to the medium, mix and sterilize by autoclaving at 121 °C for 15 minutes. Mix well before pouring.

DESCRIPTION

DG18 (Dichloran-Glycerol 18%) Agar Base is a selective medium for the enumeration yeast and molds, especially enumeration and isolation of xerophilic molds.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: slightly hazy.

Color: beige.

Incubation conditions: 25 ± 1°C / 18-48 hours or up to 7 days.

Microorganism	ATCC	Growth
<i>Saccharomyces cerevisiae</i>	9763	good
<i>Escherichia coli</i>	25922	inhibited

STORAGE

Store the dehydrated medium tightly closed in a dry place at room temperature and use before the expiry date on the label. Store the prepared medium protected from light at 2-6 °C.

REFERENCES

1. Hocking and Pitt (1980) J. Appl. Envir. Micr. 39: 488.

PACKAGING

Cat. No : MB-D2152 DG18 (Dichloran-Glycerol 18%) Agar Base	500 G
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