

TMV 498 - YEAST GLUCOSE CHLORAMPHENICOL AGAR (VEG.)

INTENDED USE

For selective isolation and enumeration of yeast and molds in milk and milk products.

PRODUCT SUMMARY AND EXPLANATION

These media are prepared by replacing Yeast extract with Veg peptone which is free of BSE/TSE risks. Yeast Glucose Chloramphenicol Agar is recommended by APHA and the International Dairy Federation. Yeast Glucose Chloramphenicol Agar is a nutrient medium that inhibits the growth of organisms other than yeasts and moulds due to the presence of chloramphenicol.

COMPOSITION

Ingredients	Gms / Ltr
Veg peptone	5.000
Dextrose	20.000
Chloramphenicol	0.100
Agar	15.000

PRINCIPLE

The medium consists of veg peptone which provides basic nutrients essential for growth. Dextrose is a carbon and energy source. Chloramphenicol inhibits bacterial growth.

INSTRUCTION FOR USE

- Dissolve 40.0 grams in 1000 ml distilled water.
 - Heat just to boiling. Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
 - Cool to 45-50°C. Mix well and pour into sterile Petri plates.
- Note: Chloramphenicol is a potent carcinogen and must be handled with care so as to avoid inhalation or contact with skin.

QUALITY CONTROL SPECIFICATIONS

- Appearance of Powder** : Light yellow coloured homogeneous free flowing powder.
Appearance of prepared medium : Clear to slightly opalescent gel in petri plates.
pH (at 25°C) : 6.6±0.2

INTERPRETATION

Cultural characteristics observe after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Candida albicans</i>	10231	10-100	Good	>=50%	25-30°C	2-5 Days



<i>Aspergillus niger</i>	16404	10-100	Good	>=50%	25-30°C	2-5 Days
<i>Saccharomyces cerevisiae</i>	9763	10-100	Good	>=50%	25-30°C	2-5 Days
<i>Escherichia coli</i>	25922	>=10 ³	Inhibited	0%	25-30°C	2-5 Days
<i>Staphylococcus aureus</i>	25923	>=10 ³	Inhibited	0%	25-30°C	2-5 Days

PACKAGING:

In pack size of 100 gm and 500 gm bottles.







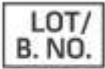


STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

 GMP Good Manufacturing Practices Certified	 Best Before	 QTY. Quantity	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 LOT/ B. NO. Lot / Batch Number	 Consults Instructions for Use	 QR Code	

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**
Revision: 08 Nov., 2019