

## TM 2098 - GELATIN PEPTONE AGAR

### INTENDED USE

For the cultivation of non-fastidious bacteria.

### PRODUCT SUMMARY AND EXPLANATION

This medium can be used is recommended particularly for growing non-fastidious organisms.

### COMPOSITION

Ingredients	Gms / Ltr
Gelatin peptone	5.000
Agar	15.000

### PRINCIPLE

This is a simple medium containing Gelatin peptone (pancreatic digest of gelatin). Gelatin peptone provides complex carbon and nitrogen sources necessary for microbial growth. It has low cystine and tryptophan content. As it contains only gelatin as ingredient it makes media nonselective in nature. The neutral pH of medium allows growth of bacteria. Hence it can be used for plate count, particularly of ice cream and related products. Agar acts as a solidifying agent.

### INSTRUCTION FOR USE

- Dissolve 20.0 grams in 1000 ml distilled water.
- Heat to boiling with agitation to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 20 minutes.
- Cool to 45-50°C. Mix well and pour into sterile Petri plates.

### QUALITY CONTROL SPECIFICATIONS

**Appearance of Powder** : Cream to yellow homogeneous free flowing powder.  
**Appearance of prepared medium** : Light Yellow coloured, clear to slightly opalescent gel forms in Petri plates.  
**pH (at 25°C)** : 7.0±0.1

### INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Escherichia coli</i>	25922	50-100	Good-luxuriant	>=50%	35-37°C	18-48 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Good-luxuriant	>=50%	35-37°C	18-48 Hours



<i>Lactobacillus bulgaricus</i>	11842	50-100	Good-luxuriant	>=50%	35-37°C	18-48 Hours
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**PACKAGING:**

In pack size of 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.







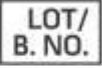


**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

**DISPOSAL**

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

**REFERENCES**

1. Eaton, A.D., L.S. Clesceri, and A.E. Greenberg (1995) Standards methods for the examination of water and wastewater, 19th ed.
2. Association of Official Analytic Chemist (1995) Bacteriological analytic manual, 8th ed

 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