

## Technical Information

### Gelatin Peptone Agar

**Product Code: DM 2701**

**Application:** - Gelatin Peptone Agar is used for the cultivation of non fastidious bacteria.

### Composition\*\*

Ingredients	Gms / Litre
Gelatin peptone	5.000
Agar	15.000
Final pH ( at 25°C)	7.0±0.1

\*\*Formula adjusted, standardized to suit performance parameters

### Principle & Interpretation

Gelatin Peptone Agar can be recommended particularly for growing non fastidious organisms. Agar acts as a solidifying agent.

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.

### Methodology

Suspend 20.0 grams of dehydrated media powder in 1000 ml distilled water. Mix thoroughly & heat to boiling with agitation to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 20 minutes. Cool to 45-50°C. Mix well before pouring into sterile Petri plates.

### Quality Control

#### Appearance

Cream to yellow homogeneous free flowing powder

#### Gelling

Firm, comparable with 1.5% Agar gel

#### Colour and Clarity

Light yellow coloured, clear to slightly opalescent gel forms in Petri plates

#### Reaction

Reaction of 2.0% w/v aqueous solution at 25°C. pH : 7.0±0.1

#### pH Range

6.90-7.10

#### Cultural Response

DM 2701: Cultural characteristics observed after an incubation at 35-37°C for 18-48 hours.

#### Cultural Response

Organism	Inoculum (CFU)	Growth	Recovery
<b>Cultural Response</b> <i>Escherichia coli</i> ATCC 25922	50-100	good-luxuriant	>=50%





Dehydrated Culture Media  
Bases / Media Supplements

<i>Staphylococcus aureus</i> ATCC 25923	50-100	good-luxuriant	>=50%
<i>Lactobacillus bulgaricus</i> ATCC 11842	50-100	none-poor	<=10%

## Storage and Shelf Life

**Dried Media:** Store below 30°C in tightly closed container and the prepared medium at 2-8°C. Use before expiry date on the label.

**Prepared Media:** 2-8° in sealable plastic bags for 2-5 days.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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