Gelatin Peptone

RM020

Intended use

Gelatin Peptone is prepared by enzymic digestion of gelatin and as such it is characterized by low Cystine, Tryptophan and Carbohydrate content. It is used in antibiotic assay media yielding low but reliable and reproducible growth level in media used for various fermentation studies. And also used to supplement Tissue Culture media.

Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Safety guidelines may be referred in individual safety data sheets.

Limitations

1. It is biological origin product since variation in colour of powder and clarity may observed.
2. Each lot of the product has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's requirement.
3. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium prepared by the product.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

Quality Control

- **Appearance :** Off white to light yellow homogenous free flowing powder characteristic odour but not putrescent
- **Solubility :** Freely soluble in distilled water, insoluble in alcohol and ether.
- **Clarity :** 1% w/v aqueous solution is clear without any haziness after autoclaving at 15 lbs pressure (121ºC) for 15 minutes.
- **pH :** pH of 2% w/v aqueous solution at 25ºC 6.2 - 7.2
- **Microbial Load :**

  Bacterial Count : <= 2000 CFU/gram by plate method, when incubated at 30-35ºC for not less than 3 days
  Yeast & mould Count : <= 100 CFU/gram by plate method, when incubated at 20-25ºC for not less than 5 days.
- **Test for pathogens :** 1. *Escherichia Coli*- Absent/gram of sample 2. *Salmonella* species- Absent/10 gram of sample 3. *Pseudomonas aeruginosa*- Absent/gram of sample 4. *Staphylococcus aureus*- Absent/gram of sample 5. *Candida albicans*- Absent/gram of sample 6. *Clostridia*- Absent/gram of sample
- **Indole test :** Tryptophan content: Absent

→ **Cultural response :** Cultural response observed after an incubation at 35-37ºC for 18-24 hours by preparing MacConkey Agar (M082) using Gelatine Peptone as an ingredient.

Cultural Response

Organism	Growth	Colour of Colony
Escherichia coli ATCC 25922 (WDCM 00013)	Luxuriant	Pink to red with bile precipitate
**Klebsiella aerogenes* ATCC 13048 (WDCM 00175)	Luxuriant	Pale pink to red
Enterococcus faecalis ATCC 29212 (WDCM 00087)	Fair to good	Pale pink to red
Proteus hauseri ATCC 13315	Luxuriant	Colourless
Salmonella enterica subsp. Enterica ParatyphiA ATCC 9150	Luxuriant	Colourless
Shigella flexneri ATCC 12022(WDCM 00126)	Fair to good	Colourless
Salmonella enterica subsp. Enterica ParatyphiB ATCC 8759	Luxuriant	Colourless
Salmonella enterica subsp.*enterica* Enteritidis ATCC 13076 (WDCM 00030)	Luxuriant	Colourless
Salmonella enterica subsp. *enterica* Typhi ATCC 6539	Luxuriant	Colourless
Staphylococcus aureus subsp. *aureus* ATCC 25923 (WDCM 00034)	Fair-good	Pale pink -red

(*)formerly known as *Enterobacter aerogenes*

Chemical Analysis :

Total Nitrogen : ≥14.00 %

Amino Nitrogen : ≥1.50 %

Sodium chloride : ≤6.00 %

Loss on drying : ≤5.00 %

Residue on ignition : ≤16.00 %

Storage and Shelf Life

Store between 10- 30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

Storage temperature

Do not use if package is damaged

HiMedia Laboratories Pvt Limited
C-40,21/Y, MIDC, Wagle Ind Area
Thane(W)–400604,Maharashtra,India

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Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications.The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory,diagnostic, research or further manufacturing use only, unless otherwise specified.Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.