



### Gelatin Peptone

**RDM-P-05**

**Principle:** Gelatin is nitrogen rich product derived from animal collagen. Being rich in essential amino acids it can be effectively used in bacteriological media and tissue culture media.

**Use:** Recommended to use as source of amino acids in culture media ingredient in variety of media and also used to supplement essential amino acids for tissue culture media.

#### Quality Control

##### Physical parameters

<b>Appearance</b>	Light beige colored homogeneous free flowing powder
<b>Solubility (2%)</b>	Soluble in distilled water
<b>Clarity</b>	Light amber colored, clear solution without haziness at 2 % concentration
<b>pH</b>	6.00 – 7.00 at 25°C
<b>Loss on drying</b>	NMT 7.00 % as estimated by AOAC method.

##### Chemical analysis

<b>Total Nitrogen</b>	NLT 12.00 %
<b>Amino Nitrogen</b>	NLT 2.00 %
<b>Peptone content</b>	NLT 85.00 %
<b>Ash Content</b>	NMT 10.0% as estimated by AOAC method.

**Bacteriological testing:** Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using gelatin peptone under test.

##### Test for pathogens:

Total Plate Count	NMT 10000 cfu per gram.
Yeast & Molds	Absent per 10 grams
<i>Escherichia coli</i>	Absent per 10 grams
<i>Salmonella</i>	Absent per 10 grams
<i>Staphylococcus aureus</i>	Absent per 10 grams

**Culture response:** Cultural response observed after incubation at 35-37°C for 24 hours by using 2% Gelatin peptone, 0.5% sodium chloride and 1.5% agar in water, pH 7.2-7.4.

<i>Escherichia coli</i> (ATCC 25922)	Luxurious growth
<i>Salmonella typhimurium</i> (ATCC 14028)	Luxurious growth
<i>Pseudomonas aeruginosa</i> (ATCC 10145)	Luxurious growth

##### Storage and Shelf Life

Store below 30°C in tightly sealed jar or container. Use before expiry date on the label.

Expected performance when stored at optimum conditions and within expiry date.

**Disposal:** To avoid the contamination or propagation of any hazardous microbes used, unusable or modified preparation of this product must be disposed after autoclaving or incineration after completion of task.

##### Disclaimer

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