



## **Peptone (Bacteriological Grade). 500 g**

Used as culture media ingredient in variety of media and also used for production of enzymes, steroids, vaccines and other pharmaceutical, agricultural economical products.

### **Product Presentation:**

<b>Cat No.</b>	<b>Product description</b>	<b>Pack Size</b>
<b>12130010500</b>	Peptone (Bacteriological Grade)	500 Gram

### **Principle**

Bacteriological grade Peptone is prepared by enzymatic digestion of selected fresh meat. Due to highly nutritious it supports good growth of wide diversity of microorganisms and can be used for identification of bacteria by performing various biochemical tests. As peptones deliberate nutritional benefit, especially at low dilution rates, recently it has been used as additives in recombinant cell lines for the production of a recombinant therapeutic protein.

### **Directions**

- ✓ Refer to the final concentration in the formula of the medium being prepared.

### **Storage and Stability**

- ✓ Store dehydrated medium below 30°C in tightly closed container. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

### **Quality Control**

<b>Test</b>	<b>Specifications</b>
Appearance	Light beige colored homogeneous free flowing powder
Solubility	Soluble in distilled water and insoluble in alcohol
Colour and Clarity of the medium	Pale yellow colour clear solution
pH at 25 ± 2°C	6.50 - 7.50
Loss on Drying	Not More Than 7%
Total Nitrogen	Not Less Than 12%
Amino Nitrogen	Not Less Than 3%
Residue on ignition	Not More Than 12%

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

### **FACTORY & OFFICE**

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**Test for pathogens**

Test	Specifications
Total Plate Count	Not More Than 10000 CFU per gram.
Yeast and Molds	Absent
E. coli	Absent
Salmonella	Absent
Staphylococcus aureus	Absent

**Culture response**

Cultural response observed after incubation at 35-37°C for 24 hours by using 2% peptone, 0.5% sodium chloride and 1.5% agar in water, pH 7.2-7.4. Inoculate (Inoculum 50-100 CFU) and incubate at 35 ± 2°C for 18-24 hours.

Organism	Type Culture	Growth
<i>Pseudomonas aeruginosa</i>	ATCC 27853	Luxurious growth
<i>Salmonella typhi</i>	ATCC 6539	Luxurious growth
<i>Escherichia coli</i>	ATCC 8739	Luxurious growth

**Warranty**

- ✓ This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

**Disposal**

Disposal of infectious material and material that comes in to contact with clinical sample must be decontaminated and dispose of by autoclaving or incineration or established laboratory procedures.  
User must ensure safe disposal of used or unusable preparation of the products.

**Reference**

- ✓ United States Pharmacopeial Convention, Inc. 2008. The United States pharmacopeia 31/The national formulary 26, Supp. 1, 8-1-08, online. United States Pharmacopeial Convention, Inc., Rockville, Md.

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