



## **Tryptone 500 g**

Used in formulations of microbiological culture media for cultivation of variety of bacteria and fungi as a growth supplement (nitrogen source).

### **Product Presentation:**

Cat No.	Product description	Pack Size
122000105000	Tryptone	500 Gram

### **Principle**

Tryptone is milk origin protein derived from casein. It is manufactured by controlled enzymatic hydrolysis of casein. It is recommended for use in number of media such as cultivation media of bacteria, fungi, molds, yeast, diagnostic media and is suitable to be used for toxin and vaccine production.

### **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**

Test	Specifications
Appearance	Off white colored homogeneous free flowing powder
Solubility	Soluble in distilled water.
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 10%

### **Bacteriological testing**

Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using tryptone 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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