



Technical Data Sheet

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Tryptose

RDM-P-17

Principle: Tryptose is enzymatic digest of proteins derived from animal's origins proteins like animal tissues, casein etc. The digestive process of Tryptose results in smaller peptides, including those of higher molecular weight. It is recommended for use in number of media such as cultivation media of bacteria, fungi, molds, yeast, diagnostic media.

Use: Recommended to use as culture media ingredient of bacteriological media and diagnostic media.

Quality Control

Physical analysis

Appearance	Off white colored homogeneous free flowing hygroscopic powder
Solubility	Soluble in distilled water
Clarity	Pale yellow color, clear solution without haziness at 2 % concentration
pH	6.00 – 7.50
Loss on drying	NMT 7.00% as estimated by AOAC method.

Chemical analysis

Total Nitrogen	NLT 12.00 %
Amino Nitrogen	NLT 3.00 %
Tryptophan test	Passes
Residue on ignition	NMT 10.0 %

Bacteriological testing Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using tryptone 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 2.0% Tryptose, 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.

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