

TRYPTONE 500G**PG-2331-500G**

Tryptone is a highly nutritious source of peptides and amino acids obtained through the enzymatic digestion of casein, a major milk protein. It is widely used in microbiology and biotechnology applications due to its excellent ability to support the growth and metabolic activity of microorganisms.

Biological Significance

- Acts as an effective nitrogen source for microbial growth
- Supplies essential amino acids required for cellular protein synthesis
- Promotes rapid and consistent bacterial growth in culture media

Parameter	Details
Product Name	Tryptone
Description	Pancreatic digest of casein (milk protein)
Appearance	Light yellow to beige colored powder
Solubility	Freely soluble in water
pH (1% Solution)	Approximately 6.5 – 7.5
CAS Number	91079-40-2
Storage Condition	Store in a cool and dry place in a tightly closed container
Applications / Uses	Used in microbiological media preparation (such as LB broth), fermentation processes, enzyme production studies, and protein expression applications