Proteose Peptone

Proteose peptone is used as nutritive substrate in media for production of enzymes, toxin production, cell culture fermentation and the cultivation of fastidious pathogenic microorganisms

Mode of Action

Proteose peptone is a special mixture of peptones as defined in the USP. Proteose peptones are proteins from animal sources that have been hydrolysed under different digestion conditions into low molecular weight peptides and free amino acids.

Proteose peptone is also an excellent nutrient for the cultivation of pathogenic organisms that require a highly nutritious substrate, such as for example, Corynebacterium, Haemophilus, Histoplasma, Gonococcus, Neisseria, Pasteurella, Pneumococcus Salmonella, Staphylococcus, Streptococcocus and others.

Typical Analysis

Colour powder	Light yellow-beige
Colour in solution	yellow-beige
pH (2% in water)	6.5-7.5
Loss on drying (105 °C)	≤10%
Sulfated ash (800 °C)	≤15%
Nitrogen (N_T)	≥12.0%
Heavy metals (as Pb)	≤0.001%

Ordering Information

Product	Merck Cat. No.	Pack size
Proteose Peptone	1.07229.1000	1 kg

Quality control

Test strains	Growth
Staphylococcus aureus ATCC 25923	+
Staphylococcus aureus ATCC 6538P	+
Enterococcus faecalis ATCC 11700	+
Listeria monocytogenes ATCC 19113	+
Escherichia coli ATCC 8739	+
Klebsiella pneumoniae ATCC 13883	+
Salmonella typhimurium ATCC 14028	+