

Tryptose

Tryptose is used in cell culture, molecular genetic media, and as nutritive substrate for cultivation and resuscitation of a large variety of fastidious microorganisms

Mode of Action

Tryptose is a mixture of tryptic digested proteins. It is suitable nutrient base material for applications in biotechnology and pharmaceutical industry.

It is recommended for use in media for the cultivation of a wide range of fastidious bacteria such as *Brucella*, *Streptococcus*, *Pneumococcus*, *Meningococcus* spp., etc.

Typical Analysis

Colour powder	Brownish yellow-beige
Colour in solution	Beige
Solubility (5%)	Total
pH (5% in water)	6.5-7.5
Loss on drying (Moisture)	≤10%
Sulfated ash (800 °C)	≤15%
Amino-nitrogen (N _α)	3.0-5.0%
Nitrogen (N _T)	11-13%
Amino acid specification	See table page 542

Ordering Information

Product	Merck Cat. No.	Pack size
Tryptose	1.10213.1000	1 kg

Quality control

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