

Universal Peptone M 66

Universal peptone is a poly peptone with well balanced nutritional characteristics. It can be employed in cell culture, fermentation, molecular genetic media, and as nutritive substrate for cultivation and resuscitation of a large variety of fastidious microorganisms

Mode of Action

Universal M 66 peptone is a mixture of casein peptone and meat peptone.

Universal peptone M66 combines the nutritive characteristics of casein and meat peptone. The well balanced peptone mix containing a representative mix of low and high molecular peptones, a broad range of free amino acids in growth supporting concentrations, vitamins and other growth factors.

Universal peptone M 66 can be used as nutrient, for example as replacement of serum albumin, in cell culture and in fermentations. As an ingredient in culture media Universal Peptone M66 can be employed in media for the cultivation of a wide range of fastidious bacteria.

Typical Analysis

Colour powder	Brownish yellow-beige
Colour in solution	Beige
pH (2% in water)	6.0-7.0
Loss on drying (105 °C)	≤5%
Sulfated ash (800 °C)	≤15%
Amino-nitrogen (as N)	≥3.5%
Peptone content (ex. N calc. on dried substance)	≥80%
Heavy (toxic) metals (as Pb)	≤0.001%
Amino acid specification	See table page 542

Ordering Information

Product	Merck Cat. No.	Pack size
Universal Peptone M 66	1.07043.1000	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	+