



ACID DIGEST OF CASEIN

INTENDED USE

Peptone obtained by acid digestion of casein, used in the preparation of microbiological culture media.
For laboratory use only.

DESCRIPTION

Casein hydrolysate is obtained by hydrochloric acid hydrolysis of casein, resulting in a high content of free amino acids, with the exception of tryptophan. It is used in diagnostic culture media in which high contents of sodium chloride is tolerated: for the study of bacterial antibiotic resistance, for vitamin tests and to evaluate the metabolism of tryptophan. Casein hydrolysate can also find use in the production of vaccines when it is necessary to use a peptone with a high content of free amino acids.

TYPICAL ANALYSIS

Appearance of powder	Beige, fine, homogeneous hygroscopic powder
Appearance of 2% solution	Very pale yellow, limpid
Solubility in water	Complete
Total nitrogen (TN)	8,8 - 10,1 %
α -amino nitrogen (AN)	3,0 - 6,0 %
pH 5% solution (25°C)	6,4 - 7,4
Loss on drying	\leq 3%
Ash	\leq 35%

Total aerobic microbial count	\leq 10.000 CFU/ g
Coliforms	\leq 10 UFC/g

Performances in microbiological culture media passes test

STORAGE CONDITIONS

Keep tightly closed, away from bright light, in a cool dry place (+10°C to 30 °C and <60% RH).

PACKAGING

4122652 Acid Digest of Casein 500 g