



PEPTONE BACTERIOLOGICAL

INTENDED USE

Peptone obtained by enzymatic digestion of selected fresh beef meat, used in the preparation of microbiological culture media.

For laboratory use only.

DESCRIPTION

Bacteriological peptone is an enzymatic digest of selected fresh beef meat, which gives clear water solution. Peptone from meat provides nitrogen, amino acids, vitamins, and carbon in the preparation of microbiological culture media useful for the production of antibiotics, vaccines, and enzymes and for analytical microbiology. It is a general-purpose peptone, with neutral pH, highly nutritive, with all the amino acids present in meat.

TYPICAL ANALYSIS

Appearance of powder	Ochre, fine, homogeneous hygroscopic powder
Appearance of 2% solution	Gold yellow, limpid
α -amino nitrogen (AN)	$\geq 3 \%$
Total nitrogen (TN)	$\geq 10 \%$
Loss on drying	$\leq 5,0\%$
Ash	$\leq 15\%$
Reducing sugars	Negative
Undigested protein	Negative to trace positive
Proteoses	Slightly positive or positive
Nitrites	Negative to trace positive
Tryptophan	Positive
pH 2% solution (25°C)	6,5 - 7,5
Total aerobic microbial count	≤ 5.000 CFU/g
Coliforms	Negative
<i>Salmonella</i>	Negative
Yeasts and moulds	≤ 100 CFU/g

Performance in Peptone Agar and Broth (USP) 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

4122592	Peptone Bacteriological	500 g
4122594	Peptone Bacteriological	5 kg