

Bovine Heart Infusion

Cat. 1714

Nutrient-rich medium that promotes the growth of microorganisms.

Practical information

Applications	Categories
Nitrogen source	General use

Industry: Fermentation / Ingredients for culture media / Manufacturing process

Principles and uses

Bovine Heart Infusion is an especially formulated preparation of dried infusion from bovine hearts supplied as a light, fine powder for use in microbiological culture media.

Physical-chemical characteristics

Description	Specification	Typical Analysis
Total nitrogen (TN)	>10,0%	11%
Loss on drying	<6%	3,5%
Ash	<15%	10,1%
pH (2% solution)	6,5-7,5	7

Elemental profile

Descripción	Value
Calcium	0,009%
Sodium	3,60%
Magnesium	0,02%
Potassium	1,40%

Amino acids

	Total (g/100g)		Total (g/100g)		Total (g/100g)
Aspartic acid	6,05	Glycine	2,50	Arginine	3,55
Lysine	6,01	Threonine	3,12	Cystine	0,31
Methionine	1,75	Tryptophan	0,87	Glutamic acid	15,97
Phenylalanine	3,66	Tyrosine	1,31	Histidine	2,13
Proline	7,04	Valine	4,73	Isoleucine	3,91
Serine	4,54	Alanina	3,20	Leucine	6,68

Growth supporting properties

Descripción	Value
Peptone agar	Good/Bueno

Microbiological test

Description	Specification
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Coliforms	Negative
Standard plate count	<5.000 CFU/g
Salmonella	Negative
Yeasts and molds	<100 CFU/g

Storage

Temp. Min.:2 °C
Temp. Max.:25 °C