PORK HEART INFUSION – A1504

Description

Origin : Pork Heart Infusion is obtained by enzymatic hydrolysis of porcine hearts.

Regulatory : Animal raw material is strictly of porcine origin, sourced from Brazil, and complete traceability can be demonstrated

Application : The composition and performances of Pork Heart Infusion are similar to those of Pork Brain-Heart Infusion, and offers a viable alternative for the replacement of bovine meat peptones in a variety of formulations.

Physical properties

Appearance : beige powder
Stability (2% in solution): stable
Solubility in water at 2%: total

Microbiological controls

Total aerobic mesophilic flora ≤ 5000 cfu/g

Chemical analysis

Total nitrogen (N_T) : 12.5%
α-amino nitrogen (Nα) : 5.6%
Nα / N_T : 0.45
Sulfuric Ash : 13.0%
pH (2% in solution) : 7.0
Chlorides (as NaCl): 1.2%
Loss on drying ≤ 6.0%

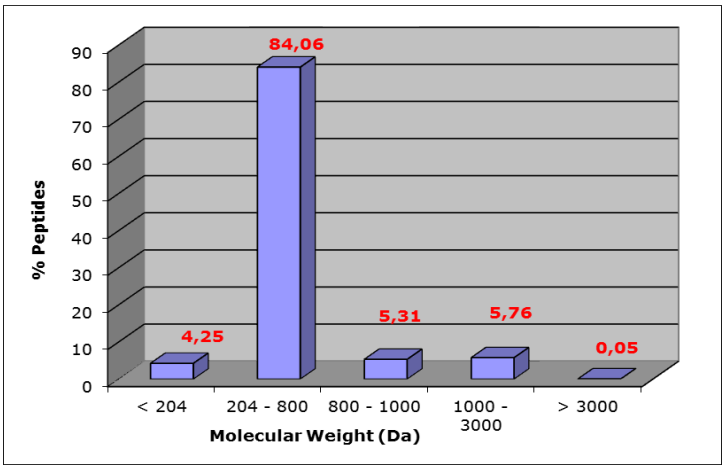
Chemical characteristics

Nitrites (USP): absent
Indole : absent
Calcium < 0,1%
Magnesium < 0,1%

Amino acid distribution (mg/g)

	Total amino acids (T)		Total amino acids (T)
Aspartic acid	68.0	Methionine	14.0
Threonine	36.0	Isoleucine	25.0
Serine	33.0	Leucine	47.0
Glutamic acid	103.0	Tyrosine	10.0
Proline	27.0	Phenylalanine	10.0
Glycine	43.0	Histidine	23.0
Alanine	48.0	Lysine	53.0
Cysteine	/	Arginine	48.0
Valine	37.0	Tryptophan	/

Molecular weight distribution (Daltons)



Standard packaging

25 kg carton ; other formats inquire.
Delivered with Certificate of Analysis, Certificate of Origin.

Storage

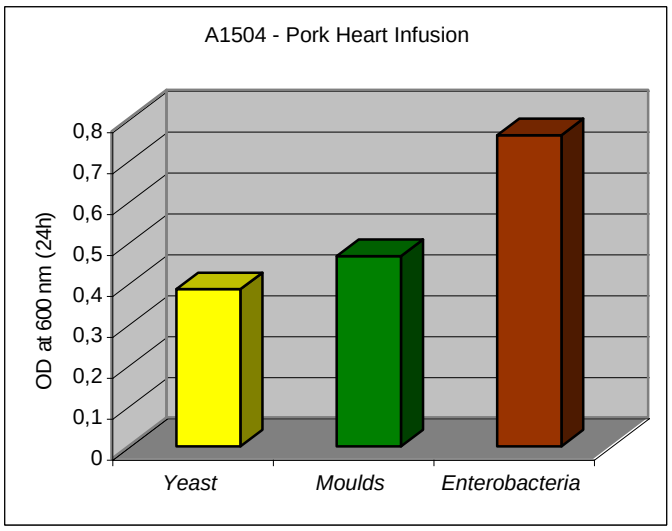
Keep in original packaging when not in use, tightly sealed in a dry area ideally between 10 and 35°C. Avoid direct sunlight. Hygroscopic product.
Expiry date : 5 years from date of manufacture.

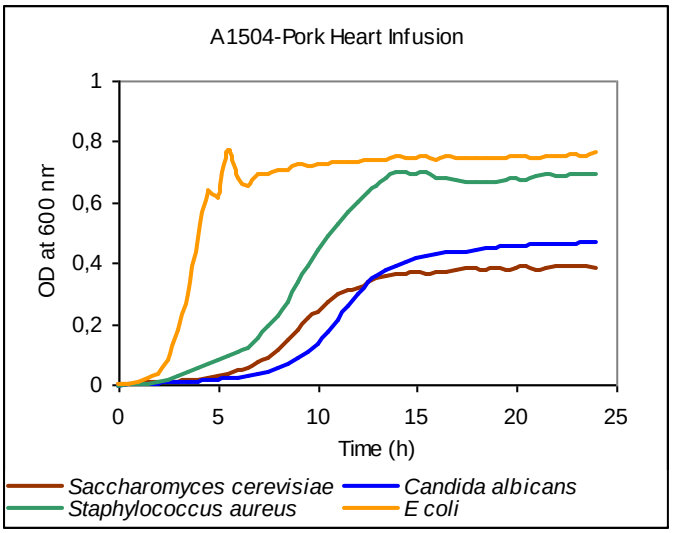
Sanitary Attestation

The raw materials used in this product are sourced from Brazilian abattoirs providing complete traceability. Official veterinary certificates and manufacturer's declarations are available for this product upon request. No bovine materials are used in the manufacturing of this product. To the best of our knowledge, this product does not have any compliance issues concerning Genetically-Modified Organisms (GMO).

OBSERVED MICROBIAL GROWTH POTENTIAL :

Fermentation





Test conditions :

Inoculum 10^6 cfu / mL
Growth medium : 3% peptone + 0.25 % glucose

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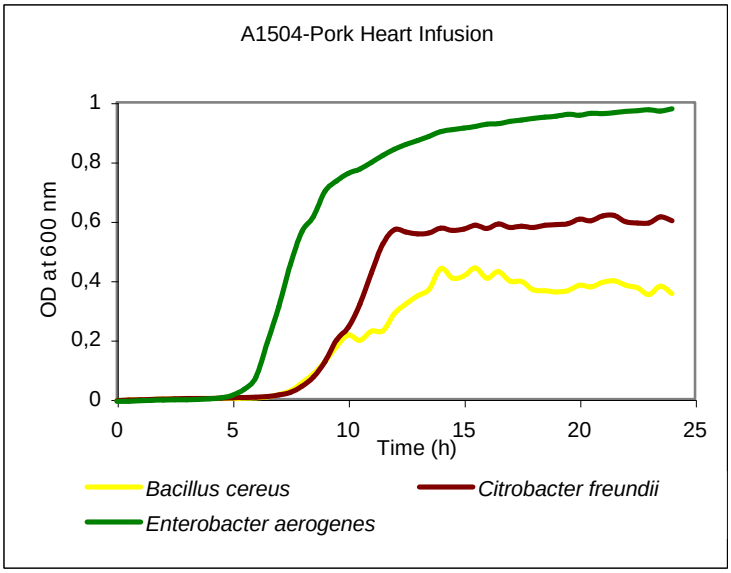
Diagnostic culture media



Test conditions :

Inoculum 10^2 cfu/mL

Culture medium: 3 % peptone + 0.25 % glucose

pH 7.3

Conclusions :

Laboratory tests demonstrate excellent growth of various microorganisms. Results may differ for other genera & species.

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