Lyocarni: starter and protective cultures





Lyocarni is a range of starter and protective cultures "Made in Italy" for meat processing.

They ensure the safety and sensory quality of meat products.

Best and safe processed meat products for the happiness of the customers.

Sacco is a flexible company with close attention to our customers' requests and requirements; the technologists are able to troubleshoot and help client to generate personalised solutions for new product development.

LYOCARNI MEAT CULTURES

Our starter cultures are contributing to the safety and the specific sensory quality of your products while keeping your own production process. Starter cultures are beneficial bacteria and part of the hurdle technology that is an important tool to produce safe, uniform and shelf-life stable fermented and/or cured meat products.

TYPE OF PRODUCTS	CHARACTERISTICS OF CULTURES	ADDED VALUE
Traditional fermented	Slow fermentation for more pronounced flavour formation and development of stable red colour.	All in one solution:
sausages		- Enhanced product safety by using
Fast fermented sausages	Fast fermentation for short processing time but sufficient flavour and colour formation.	bacteriocin producing strains
Whole cured muscles	Support to control the contaminating microbiota and to	acting against <i>Listeria monocytogenes</i> .
Raw cured ham	develop the colour.	- Enhanced sensory quality by using
Cooked ham		additional staphylococci to
Emulsified sausages	Inhibition of the pathogen <i>Listeria monocytogenes</i> by bacteriocin production.	improve colour and flavour formation.
Raw minced sausages	Suppressing the indigenous microbiota by competitive exclusion.	

SURFACE TREATMENT

Moulds spontaneously appear on surface of nonsmoked fermented sausages, which are originating from the house flora. The contaminating moulds are often coloured, e.g. yellow, green or black, and thus do not provide the desired whitish to cream coloured uniform appearance. Furthermore these moulds may affect negatively the flavour of the product. Thus, mould cultures are recommended to be applied to control the surface appearance and favour development of mould-ripened meat product and to avoid the risk of growing of toxinogenic contaminating mould strains.



PROTECTIVE CULTURES

A less utilized application area is the use of lactic acid bacteria (LAB) as protective cultures to enhance safety and quality of raw processed meat products such as raw sausages (e.g. fresh chorizo, longaniza, fresh bratwurst, spreadable German sausage) and processed minced meat products (e.g. hamburgers). Spraying the culture onto the surface of cooked meat products to prevent secondary contamination during further handling is another application. By competitive exclusion the protective culture suppresses the development of spoilage bacteria as for example indigenous LAB producing acetic acid or gas and Leuconostoc ssp., often resulting in offflavour. Additionally, Listeria monocytogenes is inhibited by bacteriocins which the protective culture produces.

ABOUT SACCO

Sacco is a company of the network Sacco System, the convergence of international biotech excellence applied to the food, nutraceutical and pharmaceutical industry.



Family Company: people and human relationship in the core of its business





Research and innovation:
70 people work in laboratories,
7% of the turnover
invested in R&D



Tradition and expertise
5th generation,
310 employees

Sacco distributes its products in all key markets (110+ countries), and has ISO 22000 and FSSC 22000 accreditation.

Sacco System: international group, family spirit.









