

# Cryofast ST 071

## Description

**Cryofast ST 071** consists of specifically selected strains of fast fermenting *Streptococcus thermophilus* to ensure a uniform and controlled production of fermented milk, soft cheese, and hard cheese.

## Application

Add the pellets directly into process milk under aseptic conditions ensuring that the culture is well dispersed by gentle stirring. The following may be used as inoculation guidelines:

Product	UC/100 l Product	UC/100 l
Fermented milk	0.5-1.0 Mozzarella	1.0-2.0
Hard cheese	0.2-1.0	

## Rotation

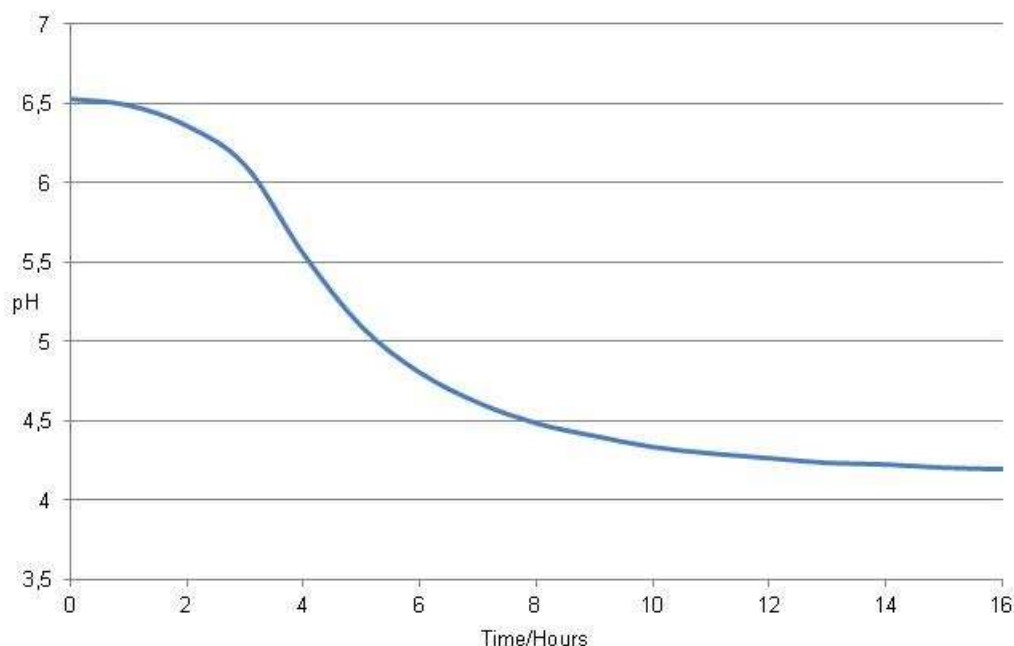
The recommended rotation is ST 073/ST 075/ST 077.

## Acidification information

Standardised laboratory acidification test is conducted in milk powder, reconstituted at 10%, at defined temperature.

Acidification profile: inoculation level corresponding to 1 UC per 100 litres milk.

Standard activity: expressed as temperature/time/pH relations: 37°C/4.5 hours/pH 5.2 ± 0.1.



## Culture information

Data are obtained under standardised laboratory conditions, and consequently, should be considered as guidelines.

Optimal temperature for growth	34-45 °C	Scalding temperature	Max. 53°C
Acidification capability	pH 4.2	Post-acidification	Δ pH 0.3
Urease activity	+ Aroma formation for yoghurt		+(+)

## Storage

Unopened pouches should be kept at or below -40°C.

## Package data

Deep-frozen pelletised culture. Cryofast ST 071 is available in 50 UC. The deep-frozen culture is packed in waterproof and air proof PET/PE doypack pouches.

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<b>Shelf life</b>	12 months when stored at or below -40°C.		
<b>Heavy metal specification</b>	Pb (lead)	< 1 ppm	
	Hg (mercury)	< 0.03 ppm	
	Cd (cadmium)	< 0.1 ppm	
<b>Microbiological specification</b>	<i>Bacillus cereus</i>	<100 CFU/g	Method: Sacco M10 (1)
	Coagulase positive staphylococci*	<10 CFU/g	Method: Sacco M11(2)
	Enterobacteriaceae	<10 CFU/g	Method: Sacco M2 (3)
	<i>Escherichia coli</i>	<1 CFU/g	Method: Sacco M27 (4)
	<i>Listeria monocytogenes</i> *	Not detected in 25 g	Method: Sacco M13 (5)
	Moulds & yeasts	<10 CFU/g	Method: Sacco M3 (6)
	<i>Salmonella</i> spp*	Not detected in 25 g	Method: Sacco M12 (7)
	* Analysed on regular basis. All analytical methods are available upon request. (1)ISO 7932; (2)ISO 6888-1-2; (3)ISO 215281-2; (4)ISO11866-1-2/IDF 170-1-2; (5)ISO 11290-1-2; (6)ISO 6611/IDF 94; (7)ISO 6785/IDF 93;		
<b>GMO</b>	The microbial strains are not genetically modified (GMO) in accordance with the European Directive 90/220/EEC. The strains are isolated from natural sources. The raw materials used are also GMO free in accordance with Regulation (EC) No. 1829/2003 and Regulation (EC) 1830/2003. Statement available upon request.		
<b>Allergens</b>	The raw materials used are generally based on dairy ingredients. All materials are free of the following components and their derivatives: peanut, tree nut, sesame, egg, fish, shellfish, mollusc, crustacean, sulphite, wheat, celery, mustard, soy and lupine. Statement available upon request.		
<b>Safety information</b>	Material Safety Data Sheet available on <a href="http://www.saccosrl.it">www.saccosrl.it</a>		
<b>Certificate</b>	Lot certificate available upon request.		
<b>ISO Kosher approval</b>	Sacco S.r.l. is UNI EN ISO 9001:2008 certified since 1998. Sacco cultures are generally Kosher approved except for surface ripening cultures.		
<b>Service</b>	Please contact your distributor for guidance and instructions for your choice of culture and processing. Information about additional package sizes and sales units is also available upon request.		
<b>Liability</b>	This information is based on our knowledge trustworthy and presented in good faith. No guarantee against patent infringement is implied or inferred.		