



Lyofast MT 092 FET

Description

Lyofast MT 092 FET is a bland of mesophilic and thermophilic cultures. It consists of specifically selected strains of Streptococcus thermophilus, Lactococcus lactis ssp. lactis, Lactococcus lactis ssp. lactis biovar, diacetylactis, Lactobacillus delbrueckii ssp. lactis, Lactobacillus helveticus, and Leuconostoc spp. Lvofast MT 092 FET can be used in semi-hard cheese with round eyes (like i.e. Danbo, Swiss Tilsit, Raclette etc.). Furthermore Lryofast MT 092 FET can be used in the production of hard cheese such as Swiss Emmental, Appenzeller, Gruyére or Greyerzer.

Application

Sprinkle the culture powder 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 I	Product	UC/100 I
Semi-hard cheese	1.0-3.0	Hard cheese	0.8-2.5

Rotation

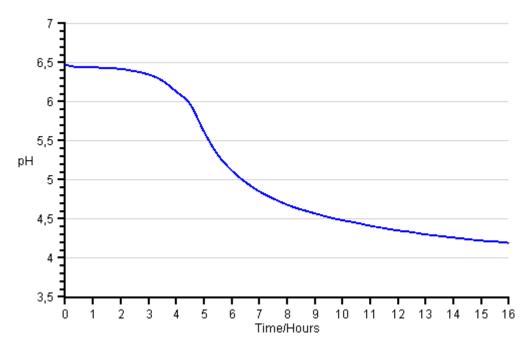
The recommended rotation is Lyofast MT 096 FET.

Acidification information

Standardised laboratory acidification test is conducted in milk powder, reconstituted at 9%, 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/6 hours/pH 5.2 ± 0.15.



Culture information

Data are obtained under standardised laboratory conditions, and consequently, should be considered as guidelines. The recommended scalding temperature is 41°C ± 2°C if mesophilic characters are required; whereas the recommended scalding temperature is 51°C ± 2°C if thermophilic characters are wanted.

Optimal temperature for growth	34-51°C	Diacetyl production	+
Acidification capability	pH 4.1	Gas production/citrate/urea	++
Scalding temperature	Max.43°C/53°C		

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Storage Unopened pouches should be kept below -17°C.

Package data The freeze-dried culture is packed in waterproof and airproof aluminium pouches. The

packaging material is food grade.

Shelf life 18 months when stored below -17°C.

 Heavy metal
 Pb (lead)
 < 1 ppm</th>

 specification
 Hg (mercury)
 < 0.03 ppm</th>

 Cd (cadmium)
 < 0.1 ppm</th>

^{*} Analysed on regular basis.

Microbi	iological
specific	cation

Method: Sacco M10 (1) Bacillus cereus <100 CFU/q Coagulase positive staphylococci* <10 CFU/g Method: Sacco M11(2) Enterobacteriaceae <10 CFU/g Method: Sacco M02 (3) Escherichia coli <1 CFU/g Method: Sacco M27 (4) Listeria monocytogenes* Not detected in 25 g Method: Sacco M13 (5) Moulds & yeasts Method: Sacco M03 (6) <10 CFU/g Salmonella spp.* Not detected in 25 g Method: Sacco M12 (7)

(1)ISO 7932; (2)ISO 6888-1-2; (3)ISO 21528-1-2; (4)ISO11866-1-2/IDF 170-1-2; (5)ISO 11290-1-2; (6)ISO

6611/IDF 94; (7)ISO 6785/IDF 93.

GMO The microbial strains are not genetically modified (GMO) in accordance with the

European Directive 2001/18/EC. 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) No. 1830/2003.

Allergens 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, cereals containing gluten, celery, mustard, soy

and lupine.

Safety information Material Safety Data Sheet available on www.saccosrl.it

Certificate Lot certificate available upon request.

Certifications Sacco S.r.l. is UNI EN ISO 9001:2008 certified since 1998, ISO 22000:2005 and FSSC

22000 certified since 2014. Sacco cultures are generally Kosher and Halal approved

except for surface ripening cultures.

Service 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.

Liability This information is based on our knowledge trustworthy and presented in good faith. No

guarantee against patent infringement is implied or inferred.

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^{*} Analysed on regular basis. All analytical methods are available upon request.