



Lactoferm MST Cheese-Tek®

Description:

Concentrated, lyophilized, lactic starter culture for Direct Vat Inoculation (DVI®) ideal to make cow's and goat's milk cheeses, such as Camembert.
Natural mesophilic-thermophilic culture composed in decreasing order by:

Lactococcus lactis subsp. lactis
Lactococcus lactis subsp. cremoris
Streptococcus salivarius subsp. thermophilus

Dosage:

The culture is supplied in polyethylene/aluminium packet containing a single dose, for direct inoculation, relevant phage-specific rotations. Code, units, production batch and expiry date are indicated on each packet.

Recommended dosage:	1U for 100 lt of milk
Phage –specific rotation:	1-4-5-6

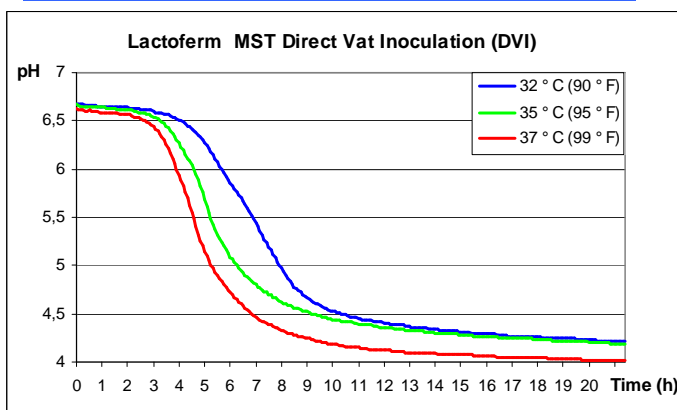
Modality of Use:

Take the culture from the freezer and use a sanitising agent to sanitise both the upper side of the packet and the tool used to open it. Inoculate culture directly in the milk treated, without any preliminary reactivation. Shake for some minutes to distribute culture evenly.

Culture characteristics:

Optimum temperature for growth:	32 - 37 °C
Maximum temperature of heating:	40 °C
Gas production:	-
Proteolytic activity:	++
Fermenting activity:	+++
Salt Tolerance (expressed as 50% inhibition)	3% NaCl

Fermenting activity:



Method: ISO 26323/IDF 213:2009	Substrate: Reconstituted skim milk 9,5% RSM
Heat treatment: 110°C x30'	Inoculation: 1 Ux100 lt of milk

Declaration of GMO and Allergens:

The product MST does not contain any genetically modified microorganisms and is produced in compliance with Regulation (EP) No. 1829-1830 /2003 and 1169/2011 as further amendments.

Allerges	Yes	No
Cereals containing gluten		X
Crustaceans		X
Eggs		X
Fish		X
Peanuts		X
Soy (GMO-free)		X
Milk	X	
Nuts		X
Celery		X
Mustard		X
Sesame seeds		X
Sulphur dioxide and Sulphits (>10mg/kg)		X
Lupins		X
Shellfish		X

Microbiological controls:

Microorganisms	Method	Results
Total cell count	ISO 4833-1:2013	$\geq 3.0 \times 10^{10}$ CFU/g
Non lactic acid bacteria	ISO 13559/IDF153:2002	< 500 CFU/g
Yeasts and moulds	ISO 21527-2:2008	<10 CFU/g
Enterobacteriaceae	ISO 21528-2:2004	< 10 CFU / g
Coliform bacteria	ISO 4832:2006	<10 CFU/g
<i>Escherichia coli</i>	ISO 16649-2:2006	< 10 CFU/g
Coagulase positive staphylococci	UNI ISO 6888-1:2003	<10 CFU/g
<i>Salmonella spp.</i>	UNI ISO 6785:2004	Absence/25 g
<i>Listeria monocytogenes</i>	UNI EN ISO 11290-1:2005	Absence/25 g
Enterococcus	INT. MET. 012-1991	<100 CFU/g
Heteroferm. lactobacilli	INT. MET. 010-1991	<10 CFU/g

Storage and Expiry:

If is stored in its original sealed packaging at a temperature of -18°C, the product keeps its characteristics unaltered for 24 months or for 6 months at +5°C. The product maintains its characteristics unchanged also for 10 days at room temperature .

Company certified			Technical datasheet Rev 00 on 30.05.16
HALAL حلال HIA - ITA 00322-028 Product certified Halal by HIA			Biochem s.r.l.