

LyoPro[®] MB

DVI Freeze-dried Dairy Cultures | Mesophilic & Thermophilic Culture Blends

Code⁺-ing
Biotech Ingredients

Technical Data Sheet

Description:

A mesophilic and thermophilic homofermentative culture blend with faster acidification time due to the presence of *Streptococcus Salivarius subsp. thermophilus*. It is used in the production of semi-hard, hard, and very hard pressed cheeses.

Composition:

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

Carrier: Dextrose - Maltodextrin

Application:

Cheddar to semi-hard cheeses: Cheddar, Cheshire, Colby, Monterrey Jack, Munster.

Properties:

Lactic acid producer culture with fast acidifying activity.
Anti-phage rotation available.

DOSAGE:

Recommended dosage: 10 CXU / 26 Gallons (100 litres of milk)
The quantities of inoculation indicated should be considered as guidelines. Additional cultures may be required depending on the technology, milk fermentability and product properties desired.

Package Size	Amount of Milk		
	Liters	Gallons	Pounds
CXU			
10	100	26	220
50	500	132	1100
100	1000	264	2200
200	2000	528	4400
500	5000	1321	11,000

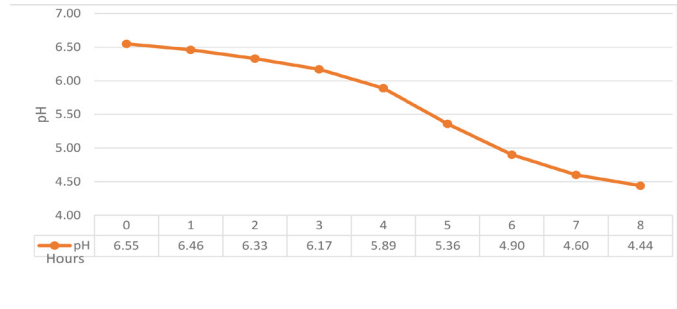
Directions For Use:

Incubation temperature: 90-99°F (32 – 37°C)

If stored at negative temperature, keep the envelope at room temperature for 30 minutes before use. Add directly to the processed milk in the vat during agitation. More effective when there is no foam in the milk. Wait 30-40 minutes before adding coagulant.

Activity Test:

Temperature	90°F (32°C)
Rehydration	10 Minutes
Test Medium	Reconstituted skim milk powder (10% solid) pasteurized at 194°F (90°C) for 30 minutes
Innoculation Rate	10 CXU / 26 Gallons (100 Litres)
Delta Δ pH in 5 hours	1.20 ± 0.10



The trial data must be regarded as an internal product verification and does not identify the technological curve obtainable on natural milk, where it is normally faster.

LyoPro® MB

DVI Freeze-dried Dairy Cultures | Mesophilic & Thermophilic Culture Blends

CodeX-ing
Biotech Ingredients

Microbiological Specifications:

Yeast and Moulds: < 100/g
Enterobacteriaceae: < 10/g
Staphylococcus aureus: < 10/g
Salmonella spp: Absent in 25 g
Listeria spp: Absent in 25 g

Allergens:

Food Allergens*	Yes	No
Wheat		X
Other cereals containing gluten		X
Crustacean shellfish		X
Eggs		X
Fish		X
Peanuts		X
Soybeans		X
Milk	X	
Nuts		X
Celery		X
Mustard		X
Sesame seed		X
Sulphur dioxide and sulphites (>10 mg/Kg)		X
Lupin		X
Molluscs		X

Packaging:

Packets are made with three layers of material (PET/AL/PE), for food in accordance with the overall migration test. First packaging as well as secondary packaging are free of pins and other hazardous foreign bodies.

GMO STATUS: GMO-Free

The product does not consist of, not contains and is not produced from GMO according to EC Reg 1829/2003, Reg 1830/2003 of the European Parliament and of the Council of 22 Sep 2003.

Safety Data Sheet: Available upon request

Country of Origin: Italy

Storage And Shelf Life:

20 months at -0.4°F (-18°C)

Refrigerated transport not required

CERTIFICATIONS: OK Kosher Certified



Manufactured For:
Codex-ing® Biotech Ingredients
5518 Northwest 72nd Avenue
Miami, FL 33166 USA
Tel: +1.305.888.5303
Codex-ing@codex-ing.com
www.codex-ing.com