



Improving food & health

eXact® ST-39

Product Information

Version: 2 PI EU EN 07-05-2023

Description

Thermophilic lactic acid culture.

Culture composition:

Streptococcus thermophilus

Material No: 722534

Size 20X200 U

Type Bag(s) in box

Color: Off-white to slightly reddish or brown

Format: F-DVS

Form: Frozen pellets

Storage and handling

< -45 °C / < -49 °F

Shelf life

At least 24 months from date of manufacture when stored according to recommendations.

Application

Usage

Fermented milk product with a mild flavor, high viscosity and low postacidification. The culture can be applied alone or in combination with other cultures to increase texture. The culture is ideal for manufacturing the following types of fermented milk product:

- Stirred and set
- Russian Ryazhenka and Prostokvasha.

Recommended inoculation rate

| | | | |
|--|---------------------|-----------------------|------------------------|
| Amount of milk to be inoculated | 2,500 l/ 660 gal | 5,000 l/ 1,300 gal | 10,000 l/ 2,600 gal |
| Amount of DVS culture | 500 U | 1000 U | 2000 U |

Designed for optimal performance, the composition and recommended inoculation rate for this culture were carefully developed by use of unique microbial strains, advanced biotechnological principles and more than 140 years of accumulated experience from the dairy industry.

Warning: Applying lower than recommended inoculation rate may cause undesired variation in product quality, lower production efficiency, product yield losses, potential fermentation failures and an increased risk of bacteriophage attacks.

Directions for Use

Remove cultures from the freezer just prior to use. Do not thaw. Disinfect the package prior to opening. Open the package and pour the frozen pellets directly into the pasteurized product. Agitate the mixture slowly for 10-15 minutes to distribute the culture evenly. For more information on specific applications please refer to our technical brochures and suggested recipes.

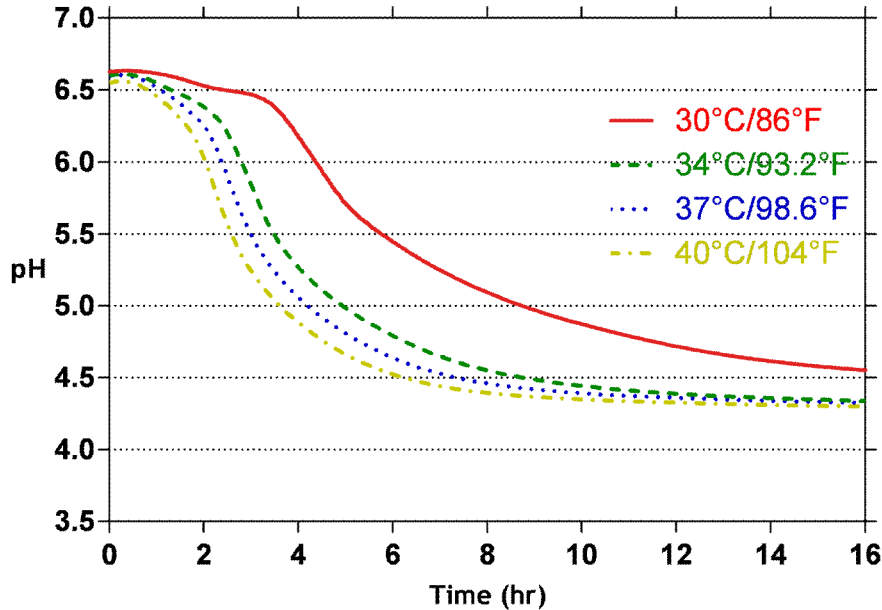
Technical Data

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Acidification curve



Fermentation conditions:

Semi fat milk (1.5 % fat, 3.5 % protein) (95°C/203°F, 5 minutes)

Inoculation: 500U/2500L

Analytical Methods

References and analytical methods are available upon request.

Dietary information

| | |
|---------|-----------------------------|
| Kosher: | Kosher Dairy Excl. Passover |
| Halal: | Certified |
| VLOG: | Conform |

Legislation

Chr. Hansen's cultures comply with the general requirements on food safety laid down in Regulation 178/2002/EC. Lactic acid bacteria are generally recognized as safe and can be used in food, however, for specific applications we recommend to consult national legislation.

The product is intended for use in food.

Food Safety

Good Manufacturing Practice (GMP) is implemented in all plants manufacturing Chr. Hansen cultures. Chr. Hansen has made a risk assessment of microbiological, physical and chemical risks in our manufacturing and distribution plants for dairy, wine and meat cultures. Control points (CP's) and Critical Control Points (CCP's) are based on the risk assessment. A HACCP team as well as HACCP plans are established for each plant.

Labeling

Suggested labeling "lactic acid culture" or "starter culture", however, as legislation may vary, please consult national legislation.

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Trademarks

Product names, names of concepts, logos, brands and other trademarks referred to in this document, whether or not appearing in large print, bold or with the ® or TM symbol are the property of Chr. Hansen A/S or an affiliate thereof or used under license. Trademarks appearing in this document may not be registered in your country, even if they are marked with an ®.

Technical support

Chr. Hansen's Application and Product Development Laboratories and personnel are available if you need further information.

GMO Information

In accordance with the below mentioned legislation of the European Union we can inform that:

eXact® ST-39 is not a GM (genetically modified) food *.

It does not contain or consist of GMOs and is not produced from GMOs in accordance with Regulation 1829/2003* on GM food and feed.

As such GM labelling is not required for eXact® ST-39 or the food it is used to produce**. Moreover, the product does not contain any GM labelled raw materials.

* Regulation (EC) No 1829/2003 of the European Parliament and of the Council of 22 September 2003 on genetically modified food and feed.

** Regulation (EC) No 1830/2003 of the European Parliament and of the Council of 22 September 2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms and amending Directive 2001/18/EC.

Please note the information presented here does not imply that the product can either be used in, or is externally certified to be used in, food or feed labelled as 'organic' or 'GMO free'. Requirements to make these claims vary per country, please contact us for more information.

Allergen Information

| List of common allergens in accordance with the US Food Allergen Labeling and Consumer Protection Act of 2004 (FALCPA) and EU Regulation 1169/2011/EC with later amendments | Present as an ingredient in the product |
|---|---|
| Cereals containing gluten* and products thereof | No |
| Crustaceans and products thereof | No |
| Eggs and products thereof | No |
| Fish and products thereof | No |
| Peanuts and products thereof | No |
| Soybeans and products thereof | No |
| Milk and products thereof (including lactose) | Yes |
| Nuts* and products thereof | No |
| List of allergens in accordance with EU Regulation 1169/2011/EC only | |
| Celery and products thereof | No |
| Mustard and products thereof | No |
| Sesame seeds and products thereof | No |
| Lupine and products thereof | No |
| Mollusks and products thereof | No |
| Sulphur dioxide and sulphites (added) at concentrations of more than 10 mg/kg or 10 mg/litre expressed as SO ₂ | No |

* Please consult the EU Regulation 1169/2011 Annex II for a legal definition of common allergens, see European Union law at: www.eur-lex.europa.eu