

**PRODUCT DESCRIPTION - PD 205715-11.0EN****Material no. 1205070****YO-MIX® 410 LYO 100 DCU**

YO-MIX® Yogurt Cultures

**Description**

Freeze-dried culture for direct inoculation of process milk

Defined, thermophilic multiple-species culture

**Usage levels**

Product	Dose
Yogurt/Fermented milk	20 DCU / 100 l
	75 DCU / 100 gal
	500 DCU / 2500 l
	500 DCU / 666 gal

The quantities of inoculation indicated should be considered as guidelines. Additional amount of cultures may be required depending on technology and product properties desired. Users of this product shall conduct their own risk assessment to determine (i) the suitability of the product based on such user's process parameters and (ii) whether the product fits for the purpose of the intended use.

IFF does not accept any liability in these respects.

**Directions for use**

Take package from freezer just before use. Sanitize sachet with chlorinated water or appropriate sanitizer before opening (blot dry with a paper towel if necessary to prevent clumping around sachet opening). Once the sachet is open, pour the culture directly to the pasteurized mix. Agitate for approximately 15 to 30 minutes on low speed to avoid foam and air introduction into the milk. The whole content of the sachet has to be applied in order to guarantee constant product quality.

**Composition**

*Streptococcus salivarius* subsp. *thermophilus*  
(formerly: *Streptococcus thermophilus*)  
*Lactobacillus delbrueckii* subsp. *bulgaricus*

**Properties**

The unique YO-MIX® 410 LYO 100 DCU is a starter culture for direct vat inoculation of manufacturing milk. It provides a specific acidification, texture, and taste profile.

**Physical/chemical specifications**

Test medium:	
Sterilised reconstituted milk (9.5 % solids)	
Heated 30 min at 99 °C	
Temperature:	43 °C
Inoculation rate:	20 DCU / 100 l
Time to pH 4.60	<= 7 h

White to brown colored free-flowing product with typical odor of fermented product, without any foreign material as per process-defined risk mitigation, color can vary from batch to batch

**Microbiological specifications**

Microbiological quality control - standard values and methods

Non-lactic acid bacteria	< 500 CFU / g
Enterobacteriaceae	< 10 CFU / g
Yeasts and Moulds	< 10 CFU / g
Enterococci	< 100 CFU / g
Coagulase-positive staphylococci	< 10 CFU / g
Salmonella spp.	neg. / 25 g
Listeria monocytogenes	neg. / 25 g

Analytical methods available upon request

**Storage**

18 months from date of production at <= -18 °C

**Packaging**

PE, PET, Al laminated foil

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**Purity and legal status**

YO-MIX® 410 LYO 100 DCU meets the specification laid down by the EU legislation.

Local regulations should always be consulted concerning the status of this product, as legislation regarding its intended use may vary from country to country.

**Safety and handling**

SDS is available on request.

**Kosher status**

Kosher certificate available on request.

**Halal status**

Halal certificate available on request

**Allergens**

Below table indicates the presence (as added component) of the following allergens and products thereof:

Yes	No	Allergens	Description of components
	X	wheat	
	X	other cereals containing gluten	
	X	crustacean shellfish	
	X	eggs	
	X	fish	
	X	peanuts	
	X	soybeans	
X		milk (including lactose)	used as fermentation nutrient
	X	nuts	
	X	celery	
	X	mustard	
	X	sesame seeds	
	X	sulphur dioxide and sulphites (> 10 mg/kg)	
	X	lupin	
	X	molluscs	

Local regulation has always to be reviewed and checked by the user of this product as allergen labelling requirements may vary between countries.

**Additional information**

The values indicated in this document correspond to results from standardized laboratory tests conducted by IFF. In practice, other values can be expected depending on the test type and technology used. Due to advances in testing capabilities and continuous product improvement it may be necessary to change standard values in the future.

YO-MIX® 410 LYO 100 DCU is manufactured in compliance with applicable global food safety standards. The third party certificate of the manufacturing site is available upon request.

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#### **GMO status**

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YO-MIX® 410 LYO 100 DCU does neither consist of GMO, contain GMO nor is produced from GMO according to the definitions of EU Regulation 1829/2003 and 1830/2003.

#### **Country of origin**

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Germany