

#### **Novel Textures for Liquid-Based Food Products (Yissum)**

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## Texturization of food products by freeze-thawing technique

Category	Food and Nutrition, Processes, Dairy
<b>Development Stage</b>	Proof of concept established
Patent Status	Patent application filed
Market Size	\$3.5 billion U.S. market for yogurt products in 2005

### **Highlights**

- Uses novel freeze-thawing processing technique to attain specific texture
- Answers continuing food industry need to provide desirable texture for food products manufactured from edible fluids
- Texturization method for dairy industry for yogurts, puddings, non-acid milk products, milk beverages and other fluids

#### **Our Innovation**

Simple procedure using milk and water-soluble polymers is passed through a controlled freeze-thawing cycle to obtain yogurt-like consistency, without the presence of lactic acid bacteria.

## **Key Features**

- Rapid texturization process
- Can add pro-biotic micro-organisms, fruit pieces, or other liquids to basic product
- Product can be kept frozen indefinitely; shelf-life begins only after thawing
- Maintains product stability

## **Development Milestones**

- Scaling up obligatory before use in industrial environment
- Looking for partner for industrial trials

# The Opportunity

- Rapidly expanding food industry demands innovative products that provide specific textures during processing and preparing
- Potential to create novel textures as possible replacement for fat content in yogurts, puddings, and other milk products
- Potential for novel liquid-based fruit products using the freeze-thawing technique



## **Contact for more information:**

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