QUICK SEARCH: Journal of Author: Keyword(s): Dairy Science® Go HOME HELP FEEDBACK SUBSCRIPTIONS ARCHIVE SEARCH TABLE OF CONTENTS Year: Vol: Page: Journal of Dairy Science Vol. 79 No. 12 2098-2103 © 1996 by American Dairy Science Association ® This Article Textural Properties of Yogurt Made with Full Text (PDF) Encapsulated Nonropy Lactic Cultures Alert me when this article is cited Alert me if a correction is posted

A. N. Hassan $^1,\,$ J. F. Frank $^1,\,$ K. A. Schmidt $^1,\,$ and S. I. Shalabi 1

 $^{\rm 1}$ Department of Food Science and Technology, The University of Georgia, Athens 30602-2106

The effects of encapsulated strains of lactic acid bacteria on the textural properties of yogurt were determined. Yogurt made with encapsulated nonropy single strains of lactobacilli exhibited the lowest firmness and lowest curd tension. Yogurt made with encapsulated cultures of mixed strains was less firm and had lower curd tension than that made with unencapsulated cultures. Although firmness of yogurt at pH 4.6 made with a single ropy strain was similar to that made with unencapsulated cultures, ropy yogurt at pH 4.2 made with a combination of ropy *Lactobacillus delbrueckii* ssp. *bulgaricus* and nonropy *Streptococcus thermophilus* was significantly less firm. Yogurt



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made with encapsulated nonropy cultures bound more water than did yogurt made with unencapsulated cultures but less water than did the ropy yogurt. Both ropy yogurt and yogurt made with encapsulated nonropy cultures were less susceptible to syneresis than yogurt made with unencapsulated culture.

Key Words: yogurt • firmness • syneresis • encapsulated lactic acid bacteria

Submitted on November 6, 1995 Accepted on June 26, 1996

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