



III Simposio Internacional de Bacterias Lácticas

II Encuentro Red BAL Argentina

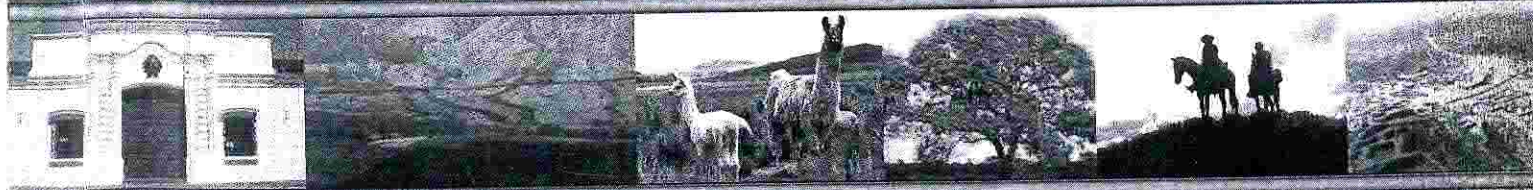
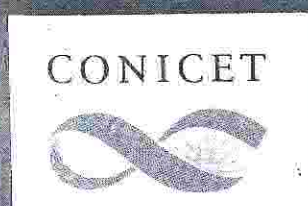
III International Symposium on Lactic Acid Bacteria

II Argentinean LAB Net Meeting



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Tucumán, Argentina



C 06 LACTIC ACID BACTERIA COLLECTION OF EMBRAPA TROPICAL AGROINDUSTRY

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Since 2004 the Food Microbiology group from Embrapa Tropical Agroindustry has been studying lactic acid bacteria (LAB) isolated from handmade cheeses produced in Brazil Northeast. A total of 940 LAB strains have been isolated from raw milk, curd and artisanal Coalho cheese. The bacteria have been numbered according to isolation order, and classified by genus. Some of them have also been evaluated for their technological properties of acid and aroma production, salt tolerance, and proteolytic activity. Finally they had been stored in numbered boxes, separated by genera, at -80°C . These LAB strains also integrate the network research program of the National Platform of Genetic Resources, organized by Embrapa. The aim of this work was to organize, in a systematic way, all the documentation about these LAB strains in order to characterize them as a collection. The information about LAB was distributed in several spreadsheets, which were checked against the stored microorganisms and reorganized in a single document with the data for identification (date and location of the collection etc.) and characterization of each microorganism. A reduction in the number of strains from 940 to 750 was observed, which was occurred because some microorganisms did not survive freezing process or as a result of duplication of LAB strains kept in different boxes. It was also noticed that LAB strains with the same code were classified in different genera and had to be submitted to new identification tests. The efforts mentioned above constituted the first attempt to catalogue the information about LAB Collection from Embrapa Tropical Agroindustry. Now these data should be inserted at Sibrargen, an information system based on a centralized data bank which has been developed by Embrapa Genetic Resources & Biotechnology in order to store and make the information about genetic resources accessible to agricultural research institutions.

Index terms: data bank, documentation, microbial resources