

**COLEÇÃO DE CULTURAS DO GÊNERO *BACILLUS* E GÊNEROS CORRELATOS – CCGB,  
A COLLECTION WITH NEW GENUS OF PROMISING SPORULATED AEROBIC GRAM-  
POSITIVE RODS**

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The Genus *Bacillus* and related genera Culture Collection was founded in 1979, when it started by collecting *Bacillus* specimens with amylolytic, proteolytic and antibiotic activity, isolated from the environment as part of a specific program of the Laboratório de Fisiologia Bacteriana - LFB, involving several research projects. From the mid-80s, the scope of the collection also included bacteria presenting entomopathogenic activity. The CCGB consists of a lyophilized collection of 1726 strains classified in 47 species and 05 related genera. It also keeps "type" or reference cultures used in taxonomic studies of interest to human health and areas of industry and education. The Collection was acknowledged by Instituto Oswaldo Cruz, IOC, Fiocruz, in 1986. In 1988 it joined the group of National Culture Collections, to be part of the Collections Sector Program sponsored by the Financiadora de Estudos e Projetos (FINEP) and Fundo Nacional de Desenvolvimento Científico Tecnológico, becoming affiliated to the World Federation for Culture Collections (WDCM 574) in 1989. The CCGB was accredited in 2005 as trustee by CGEN, the Ministry of the Environment (Resolution N° 97). The collection assists national public institutions, international and private companies, and participates in several projects nationwide. Since 2002, part of CCGB's collection is available on the website of the Sistema de Informação de Coleções de Interesse Biotecnológico - SICol.

The CCGB preserves and conserves *Bacillus* species including new Genera of related aerobic spore-forming bacteria. As basic procedure, CCGB preserves *Bacillus* and related genera, mainly by lyophilization. Lyophilization process is performed under vacuum and the material is held in amber vials, sealed hermetically and kept in refrigerator. The collection is currently duplicating the samples in order to establish a backup cryopreserved in liquid N<sub>2</sub>. CCGB presently holds a range of genera of sporulated aerobic Gram-positive, as the *Rummellibacillus* strains isolated from Antarctic soil.

FINEP; FNDCT, FAPERJ e FIOCRUZ

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