

**COLEÇÃO DE CULTURAS DE BACTÉRIAS DE INTERESSE EM SAÚDE (CCBS)/
BACTERIAL CULTURE COLLECTIONS OF HEALTH IMPORTANCE - WDCM 947 :
PURPOSE, HISTORY, TYPES OF MICROORGANISMS, DATA**

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Abstract:

- **Purpose:** To preserve bacterial isolates and reference strains of human, veterinary and environmental use as reference and teaching and research for technological development by Public Health Laboratories, Research Institutions and Universities in Brazil. - **Brief History:** The CCBS began nearly 70 years from the collection of bacteriologists former researchers of the Institute Oswaldo Cruz / Fiocruz. Over those years it was configured as a research collection of three laboratories. -Contextualization: CCBS consists of four sub-collections: Coleção de Enteropatógenos (CENT), Coleção de Bactérias de Origem Hospitalar(CCBH), Coleção de *Listeria* (CLIST) and Coleção de *Campylobacter*(CCAMPY). CCBS has FINEP, FAPERJ and CNPq supports, and is affiliated in WFCC (WDCM 947) and registered on CGEN (number 022/2010). Save a large number of pathogenic bacteria of interest in the medical, veterinary and environmental. CCBS provides strains with strong application in the development of studies related to Postgraduate Courses in the technological development, Masters and PhD.-**Microorganisms:** -The CENT hold about 100,000 isolates belonging to the genera *Salmonella*, *Shigella*, *Vibrio*, *Escherichia*, and even a few hundred representatives of other groups Gram-negative. CENT has also standard reference strains, obtained from international culture collections. -The CCBH currently has 5,000 strains of bacteria representing 30 different species, among the most frequently cited are: Methicillin Resistant *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Acinetobacter baumannii*, and *Enterobacter aerogenes*, isolated from cases of septicemia, meningitis, pneumonia and others. - The CLIST has 3,000 crops represented for different *Listeria* species and its serovars from human, animal and environment origins, beyond 34 reference samples (ATCC, CDC and Pasteur Institute). *Yersinia enterocolitica*, *Burkholderia pseudomallei*, and *Brucella*, spp are also kept in this collection. -The CCAMPY comprises strains from humans, animals and environmental sources, plus 11 standard strains, adding up to 2,000 strains.-**Information System** - All the data are registered in the Sistema de Informação de Coleções de Interesse Biotecnológico - Sicol / Cria. . **Support:**FAPERJ, CNPq and FINEP

Key words: Bacteria from hospitals, *Campylobacter* spp., *Listeria* spp., Bacterial Enteropathogens, SICOL