



Sbírka mlékařenských mikroorganismů

Cultures Collection of Dairy Microorganisms

Laktoflora® (CCDM)



Národní program konzervace
a využívání genetických
zdrojů mikroorganismů a
drobných živočichů
hospodářského významu

The Cultures Collection of Dairy Microorganisms (CCDM) *Laktoflora®* is a unique national collection of microbial genetic resources intended for use in dairy and food applications in general. The collection was established in Prague in 1956 and is currently housed at the Dairy Research Institute in Tábor. Its operation is partially supported under the National programme for the conservation and utilisation of genetic resources of microorganisms and small animals of economic importance (NPGZM).

As of 2026, the collection comprises more than 993 deposited strains, the majority of which are lactic acid bacteria preserved as both monocultures and mixed cultures. The monocultures include, in particular, representatives of the genera *Lactobacillus*, *Bifidobacterium*, *Enterococcus*, *Lactococcus* and *Propionibacterium*, while the mixed cultures comprise, e. g., yoghurt and cream cultures. The collection also contains strains of food-relevant moulds, especially *P. camemberti*, *P. roqueforti* and *P. nalgiovensis*, as well as yeasts, in particular representatives of the genera *Saccharomyces*, *Kluyveromyces*, *Galactomyces*, *Kazachstania*, *Pichia* and *Candida*. Information on individual strains is available in the online database on the collection website at www.ccdm.cz. In 2019, the collection was further expanded to include the Cultures Collection of Dairy and Bakery Contaminants (CCDBC), which comprises more than 110 strains of bacteria, yeasts and moulds associated with contamination in dairy and bakery plants and products.

A core part of the collection's activities is the maintenance of the existing gene pool. This includes regular renewal of collection strains, verification of the stability of their key biochemical and technological properties, and the identification and re-identification of strains and cultures using molecular genetic methods, including DNA sequencing. Lactic acid bacteria and yeasts are preserved in lyophilised form. Yeasts, beneficial moulds and other bacterial strains are maintained on suitable agar media. In addition, all strains are stored by an alternative method, namely cryopreservation in a deep-freezing unit at -70 °C.



Our services:

- provision of collection strains (free of charge for teaching and research purposes)
- secure confidential deposition of cultures in the collection (without release to third parties)
- isolation and identification of microbial strains from food matrices
- contract lyophilisation of lactic acid bacteria
- preparation of selected culture media
- consultancy and advisory services

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MILCOM a.s.

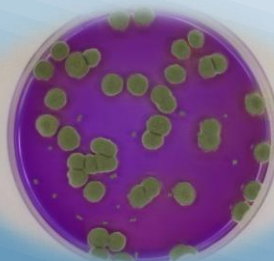
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