

Research

The trans-sectoral research of the DSMZ focuses on:

- microbial diversity and the underlying evolutionary mechanisms (genome evolution, population genetics)
- improved methods for the access and ex situ preservation of biodiversity
- molecular mechanisms of biological interactions (symbioses, mechanisms of disease, cancer)

DSMZ maintains specific expertise and offers counseling in the areas:

- microbial taxonomy, phylogeny and species description
- standardization and quality assurance of bioresources
- biosafety and biosecurity
- legal framework for the exploitation of bioresources (Patenting, Convention of Biological Diversity, Access and Benefit Sharing)



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Leibniz Institute DSMZ – Europe's leading Bioresource Center



buyodiversity

The Leibniz Institute DSMZ

About 180 staff members are dedicated to research, maintenance and preservation at the highest standard in order to guarantee optimal quality and authenticity of biological resources. Our scientist use state-of-the-art technology to offer the best service.

DSMZ archives comprise nearly the whole breadth of the prokaryotes, yeast and fungi, best-characterized human and animal cell lines, a unique collection of exotic plant viruses, and a collection of all biotechnological relevant plant cell lines.

Each year our sales department dispatches more than 30,000 cultures to research facilities all over the world.

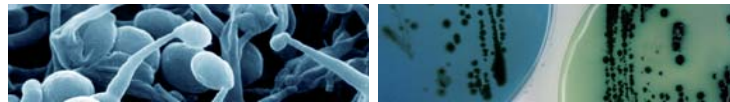
The DSMZ serves as an international depository for patent purposes and offers identification service and individual training courses.

We are member of the Leibniz-Gemeinschaft, and tightly involved in international organizations, such as the "European Culture Collections Organization" (ECCO), the "World Federation of Culture Collections" (WFCC) and the "Global Biodiversity Information Facility" (GBIF).

Culture Collection

Microorganisms

The DSMZ microbial collections contain over 20,000 cultures representing some 6,900 species and 1,400 genera in total.



Human and Animal Cell Lines

The DSMZ cell lines collection currently comprises more than 740 different immortalized cell cultures of primate, rodent, amphibian, fish, and insect origin isolated from numerous tissues as well as a number of hybridomas;



Plant Cell Lines

The collection offers more than 700 different plant cell lines from a broad taxonomic range of plants. The cultures were derived from secondary metabolite containing plants, agronomic plants and plants of importance for research.



Plant Viruses

The DSMZ Collection of Plant Viruses and Antisera - a continuously growing spectrum of plant virus isolates and high quality serological reagents and corresponding positive controls for routine detection of the most important plant viruses in agricultural crops.



Scientific Services

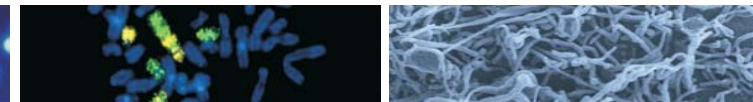
Microorganisms

- Identification of Microorganisms
- Bacterial DNA



Human and Animal Cell Lines

- Fingerprinting and DNA Typing
- Mycoplasma Testing and Elimination
- Virus Testing and Viral Analysis
- Cell Line Speciation
- Cytogenetics and Immunophenotyping



Plant Cell Lines

- Callus and Suspension Cultures
- Cryopreservation Methods



Plant Viruses

- Plant Virus Diagnosis
- Plant Virus Disease Clinic

