

# REPUBLICAN DNA BANK OF A HUMAN, ANIMALS, PLANTS AND MICROORGANISMS

The Republican DNA Bank of a Human, Animals, Plants and Microorganisms was established at the Institute of Genetics and Cytology of the National Academy of Sciences of Belarus in 2013.

The Republican DNA Bank is destined for the systematic collection and long-term storage of DNA and biological material collections

## The Bank's collection includes separate thematic sections:

- DNA Bank of a Human;
- DNA Bank of Animals;
- DNA Bank of Plants;
- DNA Bank of Microorganisms.

## Forms of depositing:

01

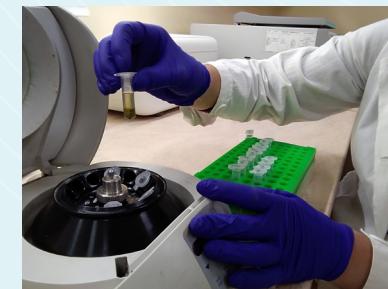
DNA collection of samples for their long-term storage

02

biological material collection with its samples being deposited in the quantity sufficient for DNA isolation

03

DNA collection of samples for scientific purposes used by depositors for their own needs, as well as their exchange as part of cooperation between the Institute's laboratories and other organizations of the Republic of Belarus involved in molecular-genetic research



## At present, the DNA Bank stores the following:

– DNA and biological material samples of patients with multifactorial diseases; healthy donors; local inhabitants of ethnogeographic regions of Belarus

– DNA and biological material samples of agricultural and wild animals; aquaculture fish; alien hydrobionts; aquatic and terrestrial invertebrates; rare and endangered animal species

– DNA and biological material samples of grain crops, potatoes; industrial, vegetable and berry crops; wild plant species; rare and endangered plant species; phytopathogenic fungi

– DNA and biological material samples of lactic acid bacteria strains

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