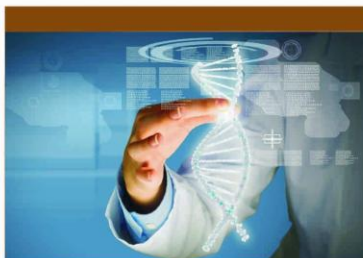


REPUBLICAN DNA BANK OF A HUMAN, ANIMALS, PLANTS and MICROORGANISMS

**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.**

Being multidimensional and multifunctional it has no analogues in the CIS.



What is stored in the DNA Bank?

- In a special room, in freezing chambers with the fixed temperature of -80°C DNA samples and biological tissues are allocated (original biological material from which the DNA sample was obtained).
- A disease-oriented DNA collection of a human, a DNA collection of indigenous people of Belarus, a DNA collection of athletes of national teams have been compiled.
- Collections of DNA samples of potatoes, grain, vegetable, fruit and industrial crops have been compiled.
- DNA collections of cattle, pigs, horses, fish, the European bison have been compiled.
- About 400 DNA strains of microorganisms used in the production of a variety of fermented milk products, bio-fertilizers, bio-stimulants of plant growth, bio-fungicides, bio-insecticides and bio-preservatives are stored at the DNA Bank.
- A collection of plant pathogenic fungi has been created.

There are more than 9 000 samples.

It has the following thematic sections:

**DNA Bank of a human;
DNA Bank of animals;
DNA Bank of plants;
DNA Bank of microorganisms;
DNA Bank of rare and endangered species of plants and animals of the Republic of Belarus.**

What is it stored for?

The DNA Bank is some kind of a library of systematic sources of genetic information scientists can turn to at any time and use in biomedical and biotechnological research and developments. In particular, it can be used for the development of personalized and preventive medicine, as well as a solution to forensic, ethnogenomic, genomic selection, environmental protection and other issues.

Form of deposit (storage)

- Long-term storage.
- Storage for scientific purposes (used by depositors for their own needs, for the exchange of DNA between laboratories of Belarus institutions and other countries involved in the molecular genetic research).
- Commercial storage (storage of samples received from individuals and different institutions). The DNA Bank maintains the confidentiality of information about the fact of the deposit.

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