

Services

The National Rare Disease Biobank offers the following services:

- ◆ Processing of biological samples
- ◆ Storage of samples and data associated with the National Registry of Rare Diseases
- ◆ Storage of samples and data associated with the Registry of Autism Spectrum Disorders
- ◆ Provision of samples for research projects by investigators
- ◆ Access to sample collections of the European network Eurobiobank
- ◆ Access to sample collections of other European biobanks



Management of National Rare Disease Biobank is made with Bio-e-Bank, a comprehensive management system for biobanks. Improvements in security, traceability and integrity of processes provided by this system facilitates compliance with the Biomedical Research Act and the Organic Law on Data Protection.

Colección seriier

NIPO: 725-13-013-7

Depósito Legal: M-21011-2013



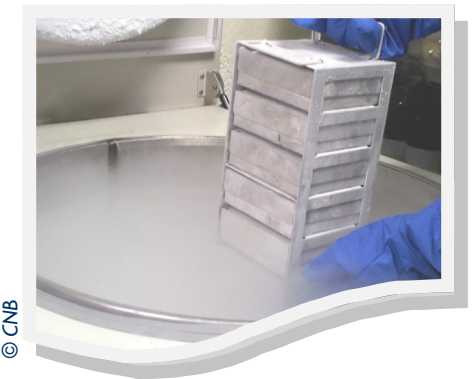
Instituto de Investigación de Enfermedades Raras

Avda. Monforte de Lemos, 5
28029 Madrid-España
biobanco_iier@isciii.es



Instituto de Investigación de Enfermedades Raras

National Rare Disease Biobank



biobanco_iier@isciii.es

Membership:

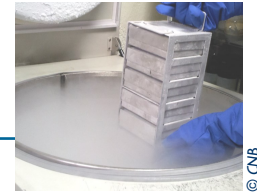
RD Connect



Biospecimens Office of Rare Diseases Research/NIH



National Rare Disease Biobank



© CNB



The rarity and diversity of rare diseases and their associated biomaterials present challenges and opportunities specific to biobanking that call for transnational collaboration and harmonization.

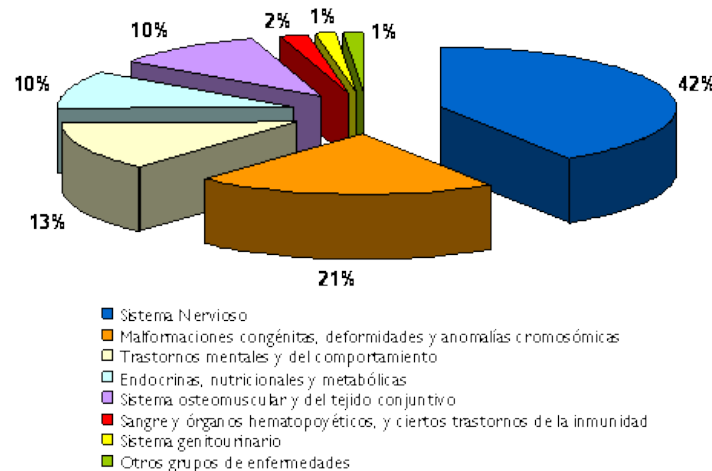
The National Rare Disease Biobank (BioNER, for its acronym in Spanish) collects and stores biological samples of people affected by rare diseases, relatives and controls. Its mission is to support national and international research. These samples are available for research, both etiologic and preventive aspects, as oriented to the search for new treatments and prognostic factors.

The National Rare Disease Biobank is linked to the National Registry of Rare Diseases, both structures located at the Institute of Health Carlos III. Since 2010 belongs to RetBIOH, the network of biobanks created 'by this institution.

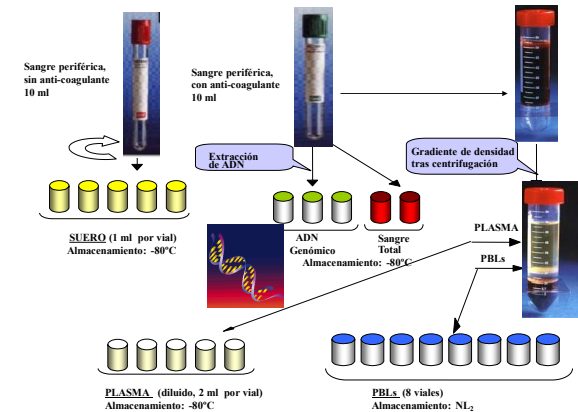
BIOBANK IN FIGURES

The National Rare Disease Biobank has biological samples for over 120 different rare diseases. These samples are aliquoted DNA, plasma, serum and cells. The total amounts to 911 donors. 10 per cent of these donors are family controls with rare disease.

In addition, the National Rare Disease Biobank includes biological samples from more than 3,000 donors affected by the toxic oil syndrome.



Distribution of donors according rare WHO ICD-10 chapters
Source: ISCIII / Instituto de Investigación de Enfermedades Raras



Outline of processing blood samples

Source: B. Cárdena, S. Gallardo / Dpto. Inmunología IIS-FJD

INTERNATIONAL SCENE

The National Rare Disease Biobank is a founding partner of the consortium Euro-biobank. This European collaboration provides access to 440,000 biological samples from patients.

It is also involved in SpainRDR, Spanish Rare Diseases Registries Research Network, an initiative of the International Rare Diseases Research Consortium (IRDRC).

It collaborates in the European project RD-Connect and the RD-HUB of the NH in the United States, as well.