



HOW TO ORDER

Samples are available to all qualified scientific investigators. All orders must be placed online through the Coriell Cell Repositories electronic catalog, accessible at ccr.coriell.org.

HOW TO SUBMIT

We accept fresh blood or biopsy specimens and established cell lines. Clinical and laboratory data and a copy of the informed consent form with which the samples were collected are required.

For each submitted biospecimen accepted into the NIGMS Repository catalog, the submitter is entitled to receive a free cell line or DNA sample from the NIGMS Repository collections.

Please contact us prior to submitting biospecimens.

CONTACT US
NIGMS Human Genetic Cell Repository
Phone (USA only): 800-752-3805
Phone (international): +856-966-7377
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ABOUT THE CORIELL INSTITUTE FOR MEDICAL RESEARCH

Founded in 1953, Coriell Institute for Medical Research is an independent, non-profit biomedical research center based in Camden, New Jersey. The Coriell Biobank is regarded as the most diverse collection of highly-characterized cell lines and high-quality DNA, annotated with rich phenotypic data and available to the international research community. Additionally, Coriell is a pioneer in genomics, examining the utility of genetic information in clinical care through the Coriell Personalized Medicine Collaborative® (CPMC®) research study.

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CORIELL.ORG



NIGMS
HUMAN GENETIC
CELL REPOSITORY

at the
**CORIELL INSTITUTE**
FOR MEDICAL RESEARCH

A Repository of high-quality, well-characterized cell lines and DNA from individuals with heritable diseases or chromosomal aberrations, apparently healthy donors, and populations representing human variation.

CCR.CORIELL.ORG

ABOUT THE NIGMS HUMAN GENETIC CELL REPOSITORY

Established in 1972 at the Coriell Institute for Medical Research by the National Institute of General Medical Sciences (NIGMS), the NIGMS Human Genetic Cell Repository (“NIGMS Repository”):

- Distributes high-quality, uncontaminated and clinically well-documented cell lines and genomic DNA
- Includes samples from more than 500 genetic diseases
- Contains more than 10,500 cell lines
- Provides DNA from more than 5,000 cell lines
- Has different cell types, including lymphoblastoid, fibroblast, and differentiated cell lines
- Offers extensively characterized disease-specific and apparently healthy human induced pluripotent stem cells (hiPSCs)
- Provides custom services using NIGMS Repository samples, including DNA “on-demand” from most cell lines



THE COLLECTIONS

HERITABLE DISEASES

The largest collection within the NIGMS Repository, this collection includes over 5,500 cell lines from donors with various genetic disorders, including ataxia telangiectasia, xeroderma pigmentosum, Fragile X mental retardation syndrome, cystic fibrosis, Fanconi Anemia, Niemann-Pick disease, Huntington disease, spinal muscular atrophy, and many additional disorders. Mutations have been identified in more than 800 cell lines.

CHROMOSOMAL ABERRATIONS

This collection contains over 1,000 cell lines representing a variety of chromosomal abnormalities, e.g.: various numerical and/or structural aberrations in each chromosome. All of these cell lines have undergone G-banded karyotype analysis, and many have been further characterized using fluorescence *in situ* hybridization (FISH) and/or microarray-based technologies. This collection also represents a wide spectrum of both common and rare genetic diseases, such as Down syndrome, Prader-Willi syndrome, Angelman syndrome, and chromosome 1p36 deletion syndrome.

HUMAN VARIATION

The NIGMS Repository contains panels of up to 200 samples from American populations, including African-Americans, Caucasians, Han Chinese from Los Angeles, and Mexican-Americans from Los Angeles. In addition, there are many smaller panels representing populations from around the world.

CEPH

More than 800 samples from 61 families from the Centre d’Etude de Polymorphisme Humaine (CEPH) are in the NIGMS Repository. There is a pedigree for each family.

PHARMACOGENOMICS

Several cell lines in the NIGMS Repository have been genotyped for variants relevant to pharmacogenomics research. Cell lines and DNA samples with known variants in the CYP2D6, CYP2C9, VKORC1, CYP2C19, UGT1A1, and other pharmacogenes are available.

HUMAN INDUCED PLURIPOTENT STEM CELLS (hiPSCs)

Both disease-specific and apparently healthy hiPSCs are available, including spinal muscular atrophy, Huntington disease, and Becker muscular dystrophy hiPSCs. All NIGMS Repository hiPSCs have undergone extensive pluripotency characterization and quality control testing and are accompanied by a Certificate of Analysis.

CUSTOM SERVICES

A variety of custom services are offered for NIGMS Repository samples:

- DNA “on demand”
- RNA “on demand”
- Cytogenetic analysis
- Microarray Genotyping
- Other services – please inquire

