The National Centralized Repository for Alzheimer’s Disease and Related Dementias (NCRAD): Services for Outgoing Samples

Indiana University School of Medicine
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www.NCRAD.org
NCRAD Overview

• Established in 1990
  • NIA funded central repository for dementia-related research

• Bank samples from 40 different studies
  • > 74,000 sampled subjects
  • ~600,000 sample aliquots banked

• Broad range of biospecimens
Collect high quality specimens

Studies of varying size:
Single site or Multisite (60+)

https://www.ncrad.org/expertise.html
Visit NCRAD website to review available cohorts

www.ncrad.org

Cohorts publicly available for request can be found on the “Accessing Biospecimens and Data” page
Tour the Catalog

https://www.ncrad.org/accessing_data.html
Data at NCRAD

• For many samples banked at NCRAD, a more detailed dataset is located elsewhere
  • NACC: UDS for ADC samples
  • LONI: ADNI (clinical, imaging, biomarker)
  • NIAGADS: genetic data

• For some studies, NCRAD hosts a minimal dataset within our catalogs
  • NCRAD developed methods to easily link external data to NCRAD specimen catalogs

• Imaging data (MRI, PET, etc) are not stored at NCRAD
  • Files are typically located at NACC, LONI or another resource
NCRAD Request Process

Available Biospecimens

Genomic DNA, RNA, Plasma, Serum, PBMCs, and CSF are available from both cohorts.

ARTFL has biospecimens from the baseline study visit and includes CSF from a subset of subjects.

LEFFTDS has longitudinal biospecimens from 3 study visits. All subjects are asked to provide CSF but it is not required.

Study specific request forms and price structure can be found in the detailed boxes.
Biospecimen Review Committee: Review Sample Requests

**APPLY**
- Investigator inquires about sample availability.
- Investigator completes request application.

**REVIEW**
- The BRC reviews the application.
- BRC decisions:
  - Approved
  - Approved, if concerns are addressed
  - Denied

**DISTRIBUTE**
- If application is approved and researcher has funding, introductory call held
NCRAD MTA Out

• Material Transfer Agreement (MTA)
  • Must be completed prior to receiving samples from NCRAD
  • Describes terms and conditions for receiving samples from NCRAD
    • Same terms for all investigators and institutions
    • Also includes requirement for investigators to return results to data warehouse (i.e. NIAGADS, dbGaP, LONI)
  • Includes language for investigators to acknowledge parent studies that collected samples in publications
  • Master Agreement has Institutional signature, Appendices need investigator signature only

• [https://www.ncrad.org/mta_out.html](https://www.ncrad.org/mta_out.html)
Blinded Sample Distributions

Distribution Label

Specimen number unique to each aliquot

Kit number unique to each visit

Samples are distributed under a unique Biorepository Kit and Specimen number only.

Assay data is returned by researchers with Biorepository Kit and Specimen and unblinded to link with clinical dataset for analysis.
NCRAD Past Webinars

The National Cell Repository for Alzheimer’s Disease (NCRAD): Services for Incoming Samples

Indiana University School of Medicine
www.NCRAD.org
Tatiana Faroud, PhD
Principal Investigator, NCRAD
May 31, 2018

Services for Incoming Samples
Watch this video to learn more about the services offered to studies banking samples with NCRAD.

Go To Video  Learn More

Services for Outgoing Samples
Watch this video to learn more about the process of obtaining samples banked at NCRAD.

Go To Video  Learn More

www.ncrad.org
For more information, contact NCRAD at:

alzstudy@iu.edu

or

800-526-2839

or

www.ncrad.org