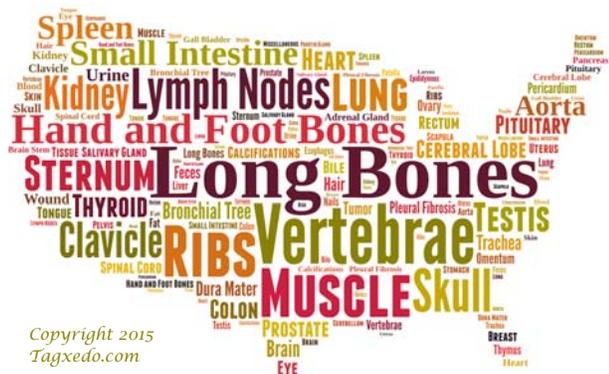


# National Human Radiobiology Tissue Repository: *What materials are available?*

## U.S. Transuranium and Uranium Registries

USTUR tissue samples were obtained from voluntary donors who were exposed to plutonium, uranium, or americium. USTUR donors authorized the Registries to obtain their individual medical and radiation exposure records for research purposes and to collect tissue sample posthumously. This collection includes frozen and formalin-fixed tissues, tissue blocks, histological slides, and acid solutions.



Approximately half of USTUR tissues and acid solutions are skeletal samples.

Investigators may request, in writing, samples for legitimate research purposes.

## Argonne National Laboratory

The Argonne National Laboratory (ANL) collection consists of samples acquired from the terminated Radium Worker study at ANL. It includes samples from radium dial painters, the historical plutonium injection studies, as well as artifacts such as radium paint, watch dials, Radithor, and Thorotrast. Tissue samples include frozen (-30 and -70° C), dried and plastic embedded specimens. The collection also contains histological slides from the radium studies.



## Los Alamos Scientific Laboratory

This collection consists of acid-dissolved tissues from the U.S. general population. The samples were collected by Los Alamos Scientific Laboratory between 1968 and 1975.



NHRTR Facility



# The USTUR Tissue Collection: *Collaborative research opportunities*

The NHRTR holds more than 10,000 tissue samples from 42 whole- and 106 partial-body USTUR donors. Tissues are vacuum packed and stored frozen at -30° C.

## Available USTUR Tissues

Type of Tissue	# Cases <sup>†</sup>	# Samples
Alimentary Tract	86	340
Circulatory	119	319
Fat/Muscle/Skin	97	1,924
Finger/Toenails	54	136
Genital	107	173
Glands	109	316
Hair	30	31
Hepatic	124	216
Lymphatic	100	281
Nervous	98	277
Respiratory	119	189
Skeletal	133	4,301
Tracheobronchial	51	100
Tumor	13	15
Urinary	124	214
Other	21	24

<sup>†</sup>Number of Registrant donations for which we have the specified type of tissue.

