

Small Animal Imaging Facility
Greehey Children's Cancer Research Institute
University of Texas Health Science Center at San Antonio

**REQUEST FOR MICROSCOPIC OR SMALL ANIMAL X-RAY COMPUTED TOMOGRAPHY
(microCT)**

Please email Suresh Prajapati (prajapati@uthscsa.edu) before submitting a request to determine whether your type of specimen meets our safety requirements. A photograph of the specimen will be helpful. Note that we will generally not scan live animals for non-UTHSCSA investigators. If this is a non-living animal specimen, please be prepared to email or fax (210-562-9014) a health report from your veterinarian **before** sending your specimens or the request form.

Request Date: _____

Requestor/Contact Name for Correspondence and Billing: _____

Contact Email Address: _____

Contact Phone Number: _____

Contact Address: _____

Principle Investigator: _____

Account for Charges: _____

Type of Specimen to Scan: _____

Unique Specimen Identifier(s), 8 characters or less each: _____

If this is a non-living animal specimen, provide your IACUC Approval Number: _____

Region/Area of Interest (Specify explicitly the reason for the scan): _____

Contrast Media Type, If Used:

- Barium Sulfate
- Gastrografin
- Iodine as Isovue-300
- MicroFil Yellow
- Other

Scan Dimensions:

Resolution (um)	Length (mm)	Diameter (mm)	Container O.D. (mm)
93	44	68	75
46	44	68	75

Scanning Resolution (Acquisition), note that 1 R is approximately 1 cGy:

- 27 µm (scan time can be many hours; radiation dose is 710 - 797 R)
- 46 µm (scan time is 20 - 45 minutes; radiation dose is 129 - 233 R)
- 93 µm (scan time is 10 - 25 minutes; radiation dose is 18 - 33 R)

Scan Mode:

- Standard long scan (3D reconstruction from 360 views)
 - Time and radiation reducing short scan (3D reconstruction from 200 views)
 - Comments – Special Instructions:
-

Frames to average: (number of frames averaged to get the final image)

- 1-3
- 4 (default)
- 5-8

View and increment:

- 0.5 to 0.9deg
- 1deg (default)

*How is your specimen sealed and air-tight?

- Conical Tube
- MicroFuge Tube
- Other specify: _____

Fee Structure as of 01/01/06 (subject to change)

	UTHSCSA	Academic	Commercial (SRA)	Commercial (non SRA)
27um (4hrs)	\$250.00	\$300.00	\$390.00	\$450.00
46um (1hrs)	\$100.00	\$120.00	\$156.00	\$180.00
93um (0.5hrs)	\$85.00	\$102.00	\$132.60	\$153.00
CT specimen	\$150.00	N/A	N/A	N/A
DVD data transfer	\$10	\$10	\$10	\$10

NOTE:

Standard scans (27, 46 and 93um) are performed with 1 degree increment angle, and 4 frames/view. Exposure times may vary by resolution (2000ms for 27um, 500ms for 46um and 100ms for 93um). If you require adjustments to these values, please contact Suresh Prajapati (prajapati@uthscsa.edu) to determine the best possible settings for your study. Extra surcharge will apply for adjustments. **A \$20 discount will be provided for both customers who would like to use the short scan option and less than 4 frames.**

BILLING:

We will prepare a billing statement for your request and send it to the "Requestor" specified above. The cost of return shipping of specimens and DVD's will be added to your fee.

CONFIDENTIALITY:

No copy of your data will be kept at our facility, and your data will only be released to the Requestor.

VIEWING SOFTWARE:

Links to viewing software downloads can be found on our website,
<http://ccri.uthscsa.edu/CCRI-MicroCT.html>

SHIPPING OF SPECIMENS:

Once we ok your specimens, ship them to: Suresh Prajapati, CCRI Small Animal Imaging Facility, 8403 Floyd Curl Drive, San Antonio, TX 78229-3900 (T 210-562-9082)

DISCLAIMER:

We do our best to assure you the best quality scan for the parameters you specify. We make no guarantees about the quality of the data if the properties of the specimen cause artifacts.