

Instructions for File Download, Tape Retrieval & MicroCT Sample Database

By PCMD MicroCT Imaging Core
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All our training materials are listed on our website: <https://www.med.upenn.edu/orl/uct/>

1. MicroCT File Request

The File Request Form is available [here](#).

1.1. Enter your Gmail Address

Your Gmail:

If you are entering multiple Gmail addresses, separate using a **comma**.

Your Gmail:

1.2. Enter the Sample#, Measure#, File_types info

Make sure you enter the sample info below the name of the appropriate scanner.

You can request the following types of files: AIM, GOBJ, TIF, DICOM, TXT

If you request multiple types of files, separate using a **comma**.

Vivact40		
Sample#	Measure#	File_Types
7497	26224	DICOM
7435	26023	DICOM
7435	26022	DICOM

Vivact40		
Sample#	Measure#	File_Types
7497	26224	TXT, AIM, GOBJ
7435	26023	TXT, AIM, GOBJ
7435	26022	TXT, AIM, GOBJ

If you would like the analysis **TXT** to be compiled into an Excel sheet, click and select "YES (3DRESULTS_BONE_MORPHO)" in the cell Q2. Email this completed form to pcmd.microct@gmail.com to submit your request.

Q	R
Do you need analysis results in combined Excel? (Click the cell below to select the option)	
NO (default)	
YES (3DRESULTS_BONE_MORPHO)	

2. Tape Retrieval Request

The Tape Retrieval Form is available [here](#).

The tape retrieval processing time is dependent on the availability of both the server space and tape drive.

Please submit a request at least 7 days in advance.

2.1. Enter your Gmail Address

Your Gmail:

If you are entering multiple Gmail addresses, separate using a **comma**:

Your Gmail:

2.2. Enter the Sample#, Measure#

Make sure you enter the sample info below the name of the appropriate scanner.

Email this completed form to pcmd.microct@gmail.com to submit your request.

Vivact40		
Sample#	Measure#	
7497	26224	
7435	26023	
7435	26022	

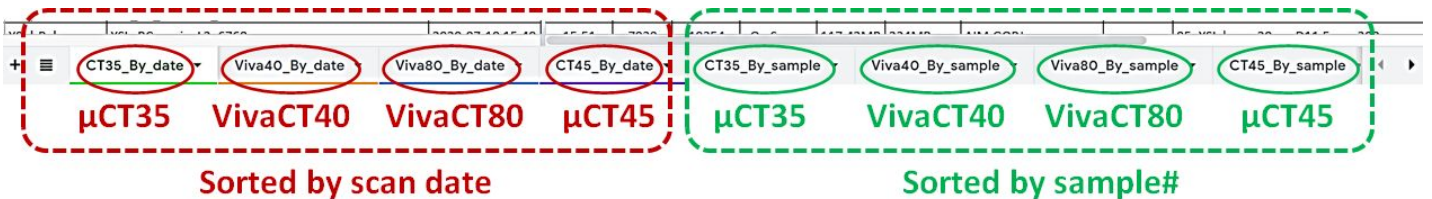
3. MicroCT Sample Database (Google Spreadsheet)

The link of MicroCT Sample Database is listed on our website (Pennkey login required).

<https://www.med.upenn.edu/orl/uct/data-access.html>

3.1. Select Appropriate Sheet

This Google Spreadsheet contains the database of 4 scanners (μ CT35, μ CT45, VivaCT40, VivaCT80). For each scanner, there are 2 sheets: 1 sorted by scan date and 1 sorted by Sample#.



3.2. Important columns:

Sample#	Measure#	On Server?	RSQ Size	ISQ Size	File Types	Analyzed?	Controlfile
7843	18964	In Tape				Analyzed	109: PCMD-bone-6um-D11.5mm-300ms
7842	18963	In Tape				Analyzed	109: PCMD-bone-6um-D11.5mm-300ms
7842	18962	In Tape				Analyzed	109: PCMD-bone-6um-D11.5mm-300ms
7838	18961	On Server		1.79GB	AIM,GOBJ,TIF,TXT	Analyzed	15: XSL-bone-6um-D11.5mm-300ms
7838	18960	On Server		3.55GB	AIM,GOBJ,TIF,TXT	Analyzed	15: XSL-bone-6um-D11.5mm-300ms
7837	18959	On Server		1.76GB	AIM,GOBJ,TIF,TXT	Analyzed	15: XSL-bone-6um-D11.5mm-300ms

“Sample#”: Sample number.

“Measure#”: Measurement number. (Multiple measure# can be listed under the same sample#)

“On Server?”:

“On Server” means the sample is available for viewing and analysis.

“In Tape” means the sample is in backup tape. If you would like to do μ CT analysis, please send the tape retrieval request form (available on our website) to us.

“File Types”: Indicating the files types existing in the sample folder.

AIM: Generated after cropping or analysis

GOBJ: Storing the contour information

TXT: Generated after μ CT analysis

PDF: Generated after μ CT analysis

TIF: Image files generated by user

DCM: DICOM files generated by user

“Analyzed?”: Indicating whether μ CT analysis has been performed on this sample.

“Controlfile”: The recorded Controlfile information during the scan.

Slices	Stacks	Scanner	Sigma, Support, Threshold
223	1	MicroCT35	1.20, 2, 380
224	1	MicroCT35	1.20, 2, 380
454	2	MicroCT35	1.20, 2, 300

“Slices”: Indicating how many slices were scanned for the sample.

“Stacks”: Indicating how many stacks were scanned for the sample.

“Sigma, Support, Threshold”: The analysis parameters used for the μ CT analysis.