

# Resource Summary Report

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## Forsyth Institute Micro Computed Tomography Core Facility

RRID:SCR\_021180

Type: Tool

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### Proper Citation

Forsyth Institute Micro Computed Tomography Core Facility (RRID:SCR\_021180)

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### Resource Information

**URL:** <https://www.forsyth.org/research/services/>

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**Description:** Core offers micro 3D X-ray imaging of small samples in high resolution and provides images and quantitative analyses of internal structures of ex vivo samples without any destructive procedures. Scanco CT40 system allows for visualization, measurement, and quantification of the structure of mineralized specimens. Contrast reagents permit visualization of soft tissue structures such as blood vessels. System creates 3D model from stack of 2D X-ray images taken around single axis of rotation. High-resolution scanner can capture detail at resolution of 6 to 32 microns. Non-destructive nature of this technology allows investigators to carry out complementary analyses of the same sample. There are two dedicated workstations for analyzing microCT data, the SCANCO analysis software or the Amira software package with XImagePAQ extension.

**Abbreviations:** uCT

**Synonyms:** Forsyth-MicroCT Core

**Resource Type:** access service resource, core facility, service resource

**Keywords:** USEDit, micro 3D X-ray imaging, ex vivo samples, internal structures, mineralized specimens structure, ABRF, ABRF

**Resource Name:** Forsyth Institute Micro Computed Tomography Core Facility

**Resource ID:** SCR\_021180

**Alternate IDs:** ABRF\_1173

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1173>

**Record Creation Time:** 20220129T080354+0000

**Record Last Update:** 20260829T183321+0000

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## Ratings and Alerts

No rating or validation information has been found for Forsyth Institute Micro Computed Tomography Core Facility.

No alerts have been found for Forsyth Institute Micro Computed Tomography Core Facility.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Depalle B, et al. (2023) Rapid post-eruptive maturation of porcine enamel. Frontiers in physiology, 14, 1099645.