

# Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

## Zeiss: Crossbeam 550 with Leica VCT 500 Cryo-Suite

RRID:SCR\_028555

Type: Tool

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### Proper Citation

Zeiss: Crossbeam 550 with Leica VCT 500 Cryo-Suite (RRID:SCR\_028555)

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### Resource Information

**URL:** <https://em-lab.berkeley.edu/EML/zeiss-xb-550-sem>

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**Description:** Zeiss Crossbeam 550 (sometimes referred to as the XB 550) is dual-beam system that combines the Gemini 2 SEM with the Ion-sculptor FIB (Focused Ion Beam) for advanced materials analysis and sample preparation. XB 550 combined with the Leica EM VCT 500 is a highly specialized system designed for advanced cryogenic workflows in materials and life sciences. It enables researchers to investigate and prepare samples at ultra-low temperatures without exposing them to air or contamination.

**Synonyms:** , Zeiss XB 550 with Leica VCT 500 Cryo-Suite system, Berkeley EML Zeiss Crossbeam 550 with Leica VCT 500 Cryo-Suite system

**Resource Type:** instrument resource

**Keywords:** focused ion beam; FIB-SEM; electron microscope; scanning; SEM; VolumeEM; array tomography; high-resolution

**Funding:** NIH 1S10OD030258-01

**Availability:** Commercially available

**Specification URL:** [https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR\\_028555.pdf](https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_028555.pdf) , [https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/Leica%20SCR\\_028555.pdf](https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/Leica%20SCR_028555.pdf)

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**Alternate URLs:** <https://www.zeiss.com/microscopy/us/products/sem-fib-sem/fib-sem/crossbeam-550.html>

**Record Creation Time:** 20260612T043054+0000

**Record Last Update:** 20260801T191448+0000

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## Ratings and Alerts

No rating or validation information has been found for Zeiss: Crossbeam 550 with Leica VCT 500 Cryo-Suite.

No alerts have been found for Zeiss: Crossbeam 550 with Leica VCT 500 Cryo-Suite.

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## Data and Source Information

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

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.