

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

Leica: Thunder Imager Live Cell system

RRID:SCR_023794

Type: Tool

Proper Citation

Leica: Thunder Imager Live Cell system (RRID:SCR_023794)

Resource Information

URL: <https://www.leica-microsystems.com/products/thunder-imaging-systems/p/thunder-imager-3d-live-cell/>

Proper Citation: Leica: Thunder Imager Live Cell system (RRID:SCR_023794)

Description: Advanced widefield microscope enabling use of 3D specimens with camera based fluorescence microscopes. System ensures low phototoxicity and photobleaching, i.e., higher throughput with optimal conditions.

Synonyms: , Thunder Imager, Thunder Imaging system, THUNDER Imager Live Cell, THUNDER Imager

Resource Type: instrument resource

Keywords: Leica, USEDit, microscope, camera, 3D speciment, fluorescence microscope, imaging system,

Availability: Restricted

Resource Name: Leica: Thunder Imager Live Cell system

Resource ID: SCR_023794

Record Creation Time: 20230718T050222+0000

Record Last Update: 20260801T190757+0000

Ratings and Alerts

No rating or validation information has been found for Leica: Thunder Imager Live Cell system.

No alerts have been found for Leica: Thunder Imager Live Cell system.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Lim YX, et al. (2025) Splicing of HPV16 E6 promotes aggressive invasion in oropharyngeal cancer via endocytosis of E-cadherin. bioRxiv : the preprint server for biology.

Kolling LJ, et al. (2025) The superficial tufted and mitral cell output neurons of the mouse olfactory bulb have dual roles in insulin sensing. bioRxiv : the preprint server for biology.

Zhang J, et al. (2024) Melatonin attenuates hepatic oxidative stress by regulating the P62/LC3 autophagy pathway in PCOS. Endocrine connections, 13(12).

Raimi OG, et al. (2024) Mechanism of human PINK1 activation at the TOM complex in a reconstituted system. Science advances, 10(23), eadn7191.

Zhao A, et al. (2024) UBE2G2 inhibits vasculogenic mimicry and metastasis of uveal melanoma by promoting ubiquitination of LGALS3BP. Acta pharmaceutica Sinica. B, 14(12), 5201.

Tse-Kang SY, et al. (2024) Intestinal immunity in *C. elegans* is activated by pathogen effector-triggered aggregation of the guard protein TIR-1 on lysosome-related organelles. Immunity, 57(10), 2280.

Tse-Kang SY, et al. (2024) Lysosome-related organelle integrity suppresses TIR-1 aggregation to restrain toxic propagation of p38 innate immunity. Cell reports, 43(9), 114674.

Mishra R, et al. (2023) Mechanopathology of biofilm-like Mycobacterium tuberculosis cords. Cell, 186(23), 5135.

Dey-Rao R, et al. (2021) A fluorescence-based, gain-of-signal, live cell system to evaluate SARS-CoV-2 main protease inhibition. Antiviral research, 195, 105183.