Resource Summary Report

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Molecular Devices: ImageXpress High Content Confocal Imaging System

RRID:SCR_020294
Type: Tool

Proper Citation

Molecular Devices: ImageXpress High Content Confocal Imaging System (RRID:SCR_020294)

Resource Information

URL: https://www.moleculardevices.com/products/cellular-imaging-systems/high-content-imaging/imagexpress-micro-confocal#gref

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Description: ImageXpress Micro Confocal system is a high-content solution that can switch between widefield and confocal imaging of fixed and live cells. It can capture high quality images of whole organisms, thick tissues, 2D and 3D models, and cellular or intracellular events. The spinning disc confocal and sCMOS camera enable imaging of fast and rare events like cardiac cell beating and stem cell differentiation. With MetaXpress software and flexible options like water immersion objectives to choose from, the system enables many confocal imaging applications from 3D assay development to screening.

Resource Type: instrument resource

Keywords: Molecular Devices, High Content Confocal Imaging System, Instrument Equipment, USEDit

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_020294.pdf

Resource Name: Molecular Devices: ImageXpress High Content Confocal Imaging System

Resource ID: SCR_020294

Alternate IDs: Model_Number_ImageXpress

Alternate URLs:
https://www.moleculardevices.com/sites/default/files/en/assets/brochures/dd/img/imagexpress-micro-xls-widefield-high-content-screening-system.pdf

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Ratings and Alerts

No rating or validation information has been found for Molecular Devices: ImageXpress High Content Confocal Imaging System.

No alerts have been found for Molecular Devices: ImageXpress High Content Confocal Imaging System.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 31 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Huang Y, et al. (2026) SR-B1-Mediated Transplacental Transfer of Hydrophobic Toxicants Disrupts Fetal Development During Barriergenesis. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(23), e15742.

Petrova V, et al. (2026) A human iPSC-derived sensory neuron platform for high-throughput discovery of neuroprotectants against chemotherapy-induced peripheral neuropathy. Cell reports. Medicine, 7(5), 102787.

Russo MR, et al. (2026) Protocol for cell cycle-resolved high-content imaging of transcription condensate dynamics in human cells. STAR protocols, 7(2), 104589.

Foidart P, et al. (2026) Whole-genome doubling drives immune evasion by silencing antigen presentation. Cancer cell, 44(7), 1418.

Chen D, et al. (2024) A combined AI and cell biology approach surfaces targets and mechanistically distinct Inflammasome inhibitors. iScience, 27(12), 111404.

Gorgo? S, et al. (2024) A Drug Discovery Pipeline for MAPK/ERK Pathway Inhibitors in Caenorhabditis elegans. Cancer research communications, 4(9), 2454.

Zheng W, et al. (2023) SDC1-dependent TGM2 determines radiosensitivity in glioblastoma by coordinating EPG5-mediated fusion of autophagosomes with lysosomes. Autophagy, 19(3), 839.

Wang KD, et al. (2023) Sanguinarine induces apoptosis in osteosarcoma by attenuating the binding of STAT3 to the single-stranded DNA-binding protein 1 (SSBP1) promoter region. British journal of pharmacology, 180(24), 3175.

Dong RF, et al. (2023) Discovery of a potent inhibitor of chaperone-mediated autophagy that targets the HSC70-LAMP2A interaction in non-small cell lung cancer cells. British journal of pharmacology.

Yamada K, et al. (2022) Extracellular PKC? signals to epidermal growth factor receptor for tumor proliferation in liver cancer cells. Cancer science, 113(7), 2378.

Xu M, et al. (2021) Arachidonic Acid Metabolism Controls Macrophage Alternative Activation Through Regulating Oxidative Phosphorylation in PPAR? Dependent Manner. Frontiers in immunology, 12, 618501.

Nylander E, et al. (2021) The effects of morphine, methadone, and fentanyl on mitochondria: A live cell imaging study. Brain research bulletin, 171, 126.

Du Y, et al. (2020) Development of a miniaturized 3D organoid culture platform for ultra-high-throughput screening. Journal of molecular cell biology, 12(8), 630.

Sanches M, et al. (2020) AlbuCORE: an albumin-based molecular scaffold for multivalent biologics design. mAbs, 12(1), 1802188.

Bouscary A, et al. (2019) Ambroxol Hydrochloride Improves Motor Functions and Extends Survival in a Mouse Model of Familial Amyotrophic Lateral Sclerosis. Frontiers in pharmacology, 10, 883.

Callizot N, et al. (2019) Necrosis, apoptosis, necroptosis, three modes of action of dopaminergic neuron neurotoxins. PloS one, 14(4), e0215277.

Wang S, et al. (2018) Overexpression of Toll-like Receptor 4-linked Mitogen-activated Protein Kinase Signaling Contributes to Internalization of Escherichia coli in Sheep. International journal of biological sciences, 14(9), 1022.

Nigam SM, et al. (2017) Exercise and BDNF reduce A? production by enhancing ?-secretase processing of APP. Journal of neurochemistry, 142(2), 286.

Silva SF, et al. (2017) Oxysterols in adipose tissue-derived mesenchymal stem cell proliferation and death. The Journal of steroid biochemistry and molecular biology, 169, 164.

Meta E, et al. (2017) The pyrazolyl-urea GeGe3 inhibits tumor angiogenesis and reveals dystrophia myotonica protein kinase (DMPK)1 as a novel angiogenesis target. Oncotarget, 8(64), 108195.