

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/imageexpress-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 27 mentions in open access literature.

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

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 γ 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 γ 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.
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- Nigam SM, et al. (2017) Exercise and BDNF reduce A β production by enhancing γ -secretase processing of APP. *Journal of neurochemistry*, 142(2), 286.
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- 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.
- Manning AJ, et al. (2017) A high content microscopy assay to determine drug activity against intracellular Mycobacterium tuberculosis. *Methods (San Diego, Calif.)*, 127, 3.
- Ware MJ, et al. (2017) Pancreatic adenocarcinoma response to chemotherapy enhanced with non-invasive radio frequency evaluated via an integrated experimental/computational approach. *Scientific reports*, 7(1), 3437.
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- Strauss JA, et al. (2016) Immunofluorescence microscopy of SNAP23 in human skeletal muscle reveals colocalization with plasma membrane, lipid droplets, and mitochondria. *Physiological reports*, 4(1).