Resource Summary Report

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Olympus FV1000 Confocal Microscope

RRID:SCR_020337
Type: Tool

Proper Citation

Olympus FV1000 Confocal Microscope (RRID:SCR_020337)

Resource Information

URL:
https://www.olympusamerica.com/cpg_section/cpg_archived_product_details.asp?id=962

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Description: Next generation imaging system designed for high resolution, confocal observation of both fixed and living cells.FV1000 offers advances in confocal system performance while providing the speed and sensitivity required for live cell imaging with minimal risk of damage to living specimens.In addition, the FV1000 offers a revolutionary synchronized laser scanning system called the SIM Scanner. While one laser stimulates, the second laser simultaneously provides high-resolution imaging. This coordination of laser stimulation and imaging makes the FV1000 an ideal choice for FRAP, FLIP and photoactivation.

Resource Type: instrument resource

Keywords: Olympus, Confocal Microscope, Instrument, Equipment, USEDit

Funding:

Availability: Commercially available

Resource Name: Olympus FV1000 Confocal Microscope

Resource ID: SCR_020337

Alternate IDs: Model_Number_FV1000

Record Creation Time: 20220129T080349+0000

Record Last Update: 20250420T015030+0000

Ratings and Alerts

No rating or validation information has been found for Olympus FV1000 Confocal Microscope.

No alerts have been found for Olympus FV1000 Confocal Microscope.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Bessa-Andrês C, et al. (2024) Mechanical stimulation-induced purinome priming fosters osteogenic differentiation and osteointegration of mesenchymal stem cells from the bone marrow of post-menopausal women. Stem cell research & therapy, 15(1), 168.

Pavlikova Z, et al. (2024) Effect of elevated temperature and hydrocortisone addition on the proliferation of fibroblasts. Histochemistry and cell biology, 162(3), 231.

Sui M, et al. (2024) The role of Testis-Specific Protein Y-encoded-Like 2 in kidney injury. iScience, 27(5), 109594.

Morita S, et al. (2024) Combination CXCR4 and PD1 blockade enhances intratumoral dendritic cell activation and immune responses against hepatocellular carcinoma. Cancer immunology research.

Delignat-Lavaud B, et al. (2023) Synaptotagmin-1-dependent phasic axonal dopamine release is dispensable for basic motor behaviors in mice. Nature communications, 14(1), 4120.

Zarate N, et al. (2023) Neurochemical correlates of synapse density in a Huntington's disease mouse model. Journal of neurochemistry, 164(2), 226.

Pinho AG, et al. (2023) The Central Nervous System Source Modulates Microglia Function and Morphology In Vitro. International journal of molecular sciences, 24(9).

Martinez-Lozada Z, et al. (2023) Cooperative and competitive regulation of the astrocytic transcriptome by neurons and endothelial cells: Impact on astrocyte maturation. Journal of neurochemistry, 167(1), 52.

Goltash S, et al. (2023) Changes in synaptic inputs to dI3 INs and MNs after complete transection in adult mice. Frontiers in neural circuits, 17, 1176310.

Takahashi K, et al. (2023) Brain-specific glycosylation of protein tyrosine phosphatase receptor type Z (PTPRZ) marks a demyelination-associated astrocyte subtype. Journal of neurochemistry.

Tu J, et al. (2022) Dhx38 is required for the maintenance and differentiation of erythro-myeloid progenitors and hematopoietic stem cells by alternative splicing. Development (Cambridge, England), 149(17).

Külshammer E, et al. (2022) The mechanosensor Filamin A/Cheerio promotes tumourigenesis via specific interactions with components of the cell cortex. The FEBS journal, 289(15), 4497.

Fan C, et al. (2022) Phloretin enhances autophagy by impairing AKT activation and inducing JNK-Beclin-1 pathway activation. Experimental and molecular pathology, 127, 104814.