

Resource Summary Report

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Perkin Elmer: UltraView ERS

RRID:SCR_020405

Type: Tool

Proper Citation

Perkin Elmer: UltraView ERS (RRID:SCR_020405)

Resource Information

URL: <http://www.ibmb.csic.es/groups/molecular-imaging-platform/equipment/spinning-disk-confocal-microscope-perkinelmer-ultraview-ers>

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Description: PerkinElmer UltraVIEW system (PerkinElmer Life Sciences Inc., MA, USA) is a Yokogawa (Yokogawa Corp. Japan) Nipkow Spinning Disk Confocal System. It uses a spinning disk with multiple pinholes to achieve confocality (e.g. the rejection of out-of-focus light). Emission light from the sample passes through the pinholes to generate a confocal image of the sample that can be detected with an EMCCD (Electron Multiplification Charge-Coupled Device) camera. Spinning disk confocal systems have 2 main advantages over conventional Laser Scanning Confocal Microscopes (LSCM): Higher imaging speed: up to 360frames/sec compared to 0.5-1 frames per second in a LSC and Lower photo-toxicity: around 5 times less than a LSCM, probably due to the fact that the system splits the laser light into thousands of minibeams.

Resource Type: instrument resource

Keywords: Perkin Elmer, Confocal Spinning Disk Microscope, Instrument Equipment, USEDit

Availability: Commercially available

Resource Name: Perkin Elmer: UltraView ERS

Resource ID: SCR_020405

Record Creation Time: 20220129T080350+0000

Record Last Update: 20260725T190926+0000

Ratings and Alerts

No rating or validation information has been found for Perkin Elmer: UltraView ERS.

No alerts have been found for Perkin Elmer: UltraView ERS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Roos S, et al. (2025) Therapeutic Value of Lactobacillus gasseri 345A in Chronic Constipation. Neurogastroenterology and motility, 37(5), e70012.

Conti BA, et al. (2025) N6-methyladenosine in DNA promotes genome stability. eLife, 13.

Imai T, et al. (2024) The RIPK1 death domain restrains ZBP1- and TRIF-mediated cell death and inflammation. Immunity, 57(7), 1497.

Wu G, et al. (2016) Functional interplay between ganglioside GM1 and cross-linking galectin-1 induces axon-like neuritogenesis via integrin-based signaling and TRPC5-dependent Ca^{2+} influx. Journal of neurochemistry, 136(3), 550.

Prendergast C, et al. (2010) Cholesterol depletion alters coronary artery myocyte Ca^{2+} signalling in a stimulus-specific manner. Cell calcium, 47(1), 84.