

Resource Summary Report

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Olympus: BX53 Upright Microscope

RRID:SCR_022568

Type: Tool

Proper Citation

Olympus: BX53 Upright Microscope (RRID:SCR_022568)

Resource Information

URL: <https://www.olympus-lifescience.com/en/microscopes/upright/bx53f2/>

Proper Citation: Olympus: BX53 Upright Microscope (RRID:SCR_022568)

Description: LED illuminator for BX53 is equivalent to or better than 100 W halogen lamp, delivering brightness appropriate for teaching or contrast methods. Can be customized for different observation methods, such as phase contrast and fluorescence, with modular components.

Resource Type: instrument resource

Keywords: Olympus, LED illuminator, phase contrast and fluorescence, light microscopy, Instrument, Equipment, USEDit

Availability: Restricted

Resource Name: Olympus: BX53 Upright Microscope

Resource ID: SCR_022568

Alternate IDs: Model_Number_BX53

Record Creation Time: 20220720T050146+0000

Record Last Update: 20260725T191019+0000

Ratings and Alerts

No rating or validation information has been found for Olympus: BX53 Upright Microscope.

No alerts have been found for Olympus: BX53 Upright Microscope.

Data and Source Information

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Lasse Opsahl EL, et al. (2026) Fibroblast STAT3 Activation Drives Organ-Specific Premetastatic Niche Formation. *Cancer research*, 86(1), 22.

Bagchi A, et al. (2025) PDE4 inhibitor rolipram represses hedgehog signaling via ubiquitin-mediated proteolysis of GLI transcription factors to regress breast cancer. *The Journal of biological chemistry*, 301(3), 108239.

Nath VR, et al. (2025) Ca²⁺ binding to Esyt modulates membrane contact site density in *Drosophila* photoreceptors. *The Journal of cell biology*, 224(5).

Chen T, et al. (2024) Enhancing hepatoprotective action: oxyberberine amorphous solid dispersion system targeting TLR4. *Scientific reports*, 14(1), 14924.

Prinz LF, et al. (2024) An anti-CD19/CTLA-4 switch improves efficacy and selectivity of CAR T cells targeting CD80/86-upregulated DLBCL. *Cell reports. Medicine*, 5(2), 101421.

Yamada K, et al. (2024) Neonatal Aromatase Inhibition Blocked Defeminization of AVPV Kiss1 Neurons and LH Surge-Generating System in Male Rats. *Endocrinology*, 165(4).

Meng H, et al. (2024) ZG16 enhances the maturation of dendritic cells via induction of CD40 and contributes to the antitumor immunity in pancreatic cancer. *Oncogene*, 43(43), 3184.

Colom M, et al. (2024) Conditioning- and reward-related dendritic and presynaptic plasticity of nucleus accumbens neurons in male and female sign-tracker rats. *The European journal of neuroscience*, 60(7), 5694.

Szymoński K, et al. (2023) Variabilities in global DNA methylation and β -sheet richness establish spectroscopic landscapes among subtypes of pancreatic cancer. *European journal of nuclear medicine and molecular imaging*, 50(6), 1792.

Szymoński K, et al. (2023) Combined analytical approach empowers precise spectroscopic interpretation of subcellular components of pancreatic cancer cells. *Analytical and bioanalytical chemistry*, 415(29-30), 7281.