

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

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: 20260905T133015+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 16 mentions in open access literature.

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

Zhou Z, et al. (2026) Using an Unbiased Coexpression Network to Reveal Cross-Talking Pathways of Phosphoinositide-3-Kinase Regulatory Subunit 1 in Skin Aging and Rejuvenation. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(2), e71466.

Bischoff AC, et al. (2026) Wilms Tumor 1-Expressing Stromal Cells Promote Pancreatic Cancer Progression. Cancer research, 86(2), 331.

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

Choudhury PR, et al. (2026) Atorvastatin pre-exposure in hypercholesterolemia remedies 27HC mediated dendritic cell dysfunctions in triple-negative breast cancer. Molecular therapy. Oncology, 34(3), 201250.

Bhattacharya A, et al. (2026) Exosomal misfolded α 1-antitrypsin triggers a cytosolic GRP78-dependent unfolded protein response and pro-survival signaling in pre-metastatic tissues. The Journal of biological chemistry, 302(8), 113282.

Shi R, et al. (2026) γ -Hydroxybutyric Acid Inhibits Mitochondrial Biogenesis via the HDAC2/SIRT7 Signaling Pathway After Intestinal Ischemia-Reperfusion. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(2), e71495.

Ding C, et al. (2026) Glioblastoma-Secreted C1QL1 Orchestrates Tumor Microtubule Expansion and Neural Synaptic Pruning to Drive Malignant Synapse Formation and Recurrence. Cancer discovery, 16(6), 1176.

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.

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),

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).

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.