

Resource Summary Report

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Nuance Multispectral Imaging Systems

RRID:SCR_015382

Type: Tool

Proper Citation

Nuance Multispectral Imaging Systems (RRID:SCR_015382)

Resource Information

URL: https://research.pathology.wisc.edu/wp-content/uploads/sites/510/2018/12/NuanceUserManual_3_0_2_rev0-reduced.pdf

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Description: Microscope that can visualize multiple nuclear, cytoplasmic and membrane markers in the same tissue section and with intact morphology. Its features include detection and measurement of weakly expressed and overlapping biomarkers in fixed tissue sections, autofluorescence removal technology, and the ability to work with both fluorescence and brightfield samples.

Resource Type: instrument resource

Keywords: microscope, imaging, imaging hardware, slide scanner, instrument, equipment

Availability: Commercially available

Specification URL: <https://drive.google.com/file/d/1Elw5a6mkS3l3av136YyaAaH-Pil3lZr4/view?usp=drivesdk>

Resource Name: Nuance Multispectral Imaging Systems

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Alternate URLs: https://research.pathology.wisc.edu/wp-content/uploads/sites/510/2018/12/NuanceUserManual_3_0_2_rev0-reduced.pdf

Old URLs: http://www.perkinelmer.com/lab-solutions/resources/docs/44-140145BRO_010834_01_PRD_Nuance.pdf

Record Creation Time: 20220129T080325+0000

Record Last Update: 20260725T190809+0000

Ratings and Alerts

No rating or validation information has been found for Nuance Multispectral Imaging Systems.

No alerts have been found for Nuance Multispectral Imaging Systems.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 144 mentions in open access literature.

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

Hayashi Y, et al. (2025) Intervening to Preserve Function in Ischemic Cardiomyopathy with a Porous Hydrogel and Extracellular Matrix Composite in a Rat Myocardial Infarction Model. *Advanced healthcare materials*, 14(2), e2402757.

Shi J, et al. (2025) RPL36A activates ERK pathway and promotes colorectal cancer growth. *Translational oncology*, 51, 102170.

Masters H, et al. (2025) Sequential emergence and contraction of epithelial subtypes in the prenatal human choroid plexus revealed by a stem cell model. *Nature communications*, 16(1), 5149.

Surakhy M, et al. (2025) Smad4 and TGF β 1 dependent gene expression signatures in conditional intestinal adenoma, organoids and colorectal cancer. *Scientific reports*, 15(1), 16330.

Márquez A, et al. (2024) Reusable Colorimetric Biosensors on Sustainable Silk-Based Platforms. *ACS applied bio materials*, 7(2), 853.

Chhabra G, et al. (2024) Role of PLK1/NUMB/NOTCH in epithelial-mesenchymal transition in human melanoma. *NPJ precision oncology*, 8(1), 6.

Hayashi Y, et al. (2024) Placement of an elastic, biohybrid patch in a model of right heart failure with pulmonary artery banding. *Frontiers in bioengineering and biotechnology*, 12, 1485740.

Jeong GU, et al. (2024) Generation of a lethal mouse model expressing human ACE2 and TMPRSS2 for SARS-CoV-2 infection and pathogenesis. *Experimental & molecular medicine*, 56(5), 1221.

Heaton AR, et al. (2024) Quantifying in vivo collagen reorganization during immunotherapy in murine melanoma with second harmonic generation imaging. *Biophotonics discovery*, 1(1).

Leach T, et al. (2023) Development of a novel air-liquid interface airway tissue equivalent model for in vitro respiratory modeling studies. *Scientific reports*, 13(1), 10137.

He JZ, et al. (2023) Spatial analysis of stromal signatures identifies invasive front carcinoma-associated fibroblasts as suppressors of anti-tumor immune response in esophageal cancer. *Journal of experimental & clinical cancer research* : CR, 42(1), 136.

Wieland EB, et al. (2023) Protocol for multispectral imaging on cryosections to map myeloid cell heterogeneity in its spatial context. *STAR protocols*, 4(4), 102601.

Cha HM, et al. (2023) Evaluation of Antiviral Activity of Gemcitabine Derivatives against Influenza Virus and Severe Acute Respiratory Syndrome Coronavirus 2. *ACS infectious diseases*, 9(4), 1033.

Nawrocki ST, et al. (2023) Comprehensive Single-Cell Immune Profiling Defines the Patient Multiple Myeloma Microenvironment Following Oncolytic Virus Therapy in a Phase Ib Trial. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 29(24), 5087.

Curley P, et al. (2023) Preclinical Evaluation of Long-Acting Emtricitabine Semi-Solid Prodrug Nanoparticle Formulations. *Pharmaceutics*, 15(7).

Li S, et al. (2022) Acetyl-CoA-Carboxylase 1-mediated de novo fatty acid synthesis sustains Lgr5+ intestinal stem cell function. *Nature communications*, 13(1), 3998.

Papadas A, et al. (2022) Stromal remodeling regulates dendritic cell abundance and activity in the tumor microenvironment. *Cell reports*, 40(7), 111201.

Guo L, et al. (2022) Different oxytocin and corticotropin-releasing hormone system changes in bipolar disorder and major depressive disorder patients. *EBioMedicine*, 84, 104266.

Chinn HK, et al. (2022) Hypoxia-inducible lentiviral gene expression in engineered human macrophages. *Journal for immunotherapy of cancer*, 10(6).

Jeong GU, et al. (2022) Ocular tropism of SARS-CoV-2 in animal models with retinal inflammation via neuronal invasion following intranasal inoculation. *Nature communications*, 13(1), 7675.