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

Proper Citation: Nuance Multispectral Imaging Systems (RRID:SCR_015382)

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

Funding:

Availability: Commercially available

Resource Name: Nuance Multispectral Imaging Systems

Resource ID: SCR_015382

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

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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 141 mentions in open access literature.

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

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

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.

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.

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.

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

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.

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.

Adamo A, et al. (2022) Blood Vessel Detection Algorithm for Tissue Engineering and Quantitative Histology. Annals of biomedical engineering, 50(4), 387.

Mekonnen GG, et al. (2022) Characterisation of tetraspanins from Schistosoma haematobium and evaluation of their potential as novel diagnostic markers. PLoS neglected tropical diseases, 16(1), e0010151.

Goossens P, et al. (2022) Integrating multiplex immunofluorescent and mass spectrometry imaging to map myeloid heterogeneity in its metabolic and cellular context. Cell metabolism, 34(8), 1214.