

# Resource Summary Report

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## Vevo 2100

RRID:SCR\_015816

Type: Tool

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### Proper Citation

Vevo 2100 (RRID:SCR\_015816)

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### Resource Information

**URL:** <https://www.visualsonics.com/product/imaging-systems/vevo-2100>

**Proper Citation:** Vevo 2100 (RRID:SCR\_015816)

**Description:** Imaging software for high-frequency processing and analysis. Some of its features include modes for blood flow quantification, single line acquisition, 3D-Mode imaging & volume analysis, nonlinear contrast imaging, and other image processing functions.

**Synonyms:** Vevo, Vevo® 2100 system, Vevo 2100 System

**Resource Type:** data acquisition software, data management software, data processing software, image acquisition software, image analysis software, image processing software, software application, software resource

**Keywords:** high-frequency imaging, imaging software, single line acquisition, blood flow quantification, 3d-imaging, nonlinear contrast

**Availability:** Commercially available, Available for purchase, Demo available

**Resource Name:** Vevo 2100

**Resource ID:** SCR\_015816

**Record Creation Time:** 20220129T080327+0000

**Record Last Update:** 20260912T200018+0000

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### Ratings and Alerts

- Used for disease detection/diagnosis objective by the Human Islet Research Network community. Contact(s): [David Harlan](#), [Dale Greiner](#), [Rita Bortell](#) - Human

No alerts have been found for Vevo 2100.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 29 mentions in open access literature.

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

Zink A, et al. (2026) Pluripotent stem-cell-based screening uncovers sildenafil as a mitochondrial disease therapy. *Cell*, 189(6), 1656.

Evans WS, et al. (2025) Moderate chronic aortic constriction induces modest, sex-specific effects on rat hearts and skeletal muscle. *Current research in physiology*, 8, 100153.

Broderick C, et al. (2025) A RAS(ON) Multi-Selective Inhibitor Combination Therapy Triggers Long-term Tumor Control through Senescence-Associated Tumor-Immune Equilibrium in Pancreatic Ductal Adenocarcinoma. *Cancer discovery*, 15(8), 1717.

Shu S, et al. (2025) Histone Deacetylase 6 Controls Atrial Fibrosis and Remodeling in Postinfarction Mice Through the Modulation of Wnt3a/GSK-3 $\beta$  Signaling. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(10), e70650.

Nia HT, et al. (2025) Solid Stress Estimations via Intraoperative 3D Navigation in Patients with Brain Tumors. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(16), 3571.

Chen H, et al. (2025) Protocol for studying the superior mesenteric artery in mice using non-invasive micro-ultrasound imaging and anatomic dissection. *STAR protocols*, 6(1), 103606.

Finan JM, et al. (2025) HuR-Regulated Extracellular Vesicles Promote Endothelial Cell Remodeling in Pancreatic Cancer. *Cancer research communications*, 5(9), 1501.

Russell JJ, et al. (2025) Cardiomyocyte-specific LARP6 overexpression prevents angiotensin II-induced myocardial dysfunction and interstitial fibrosis. *American journal of physiology. Heart and circulatory physiology*, 329(3), H730.

Cluzet V, et al. (2025) Pharmacologic Inhibition of SIRT1 Limits the Growth of Tumoral and Metastatic Granulosa Cells by Affecting mTOR, Myc, and E2F Pathways. *Molecular cancer therapeutics*, 24(8), 1197.

Abrantes R, et al. (2024) Sialyl-Tn glycan epitope as a target for pancreatic cancer therapies. *Frontiers in oncology*, 14, 1466255.

Kyle Martin W, et al. (2023) Wildfire-related smoke inhalation worsens cardiovascular risk in sleep disrupted rats. *Frontiers in environmental health*, 2.

Tsikis ST, et al. (2023) A pneumonectomy model to study flow-induced pulmonary hypertension and compensatory lung growth. *Cell reports methods*, 3(10), 100613.

Malkmus K, et al. (2022) Deletion of classical transient receptor potential 1, 3 and 6 alters pulmonary vasoconstriction in chronic hypoxia-induced pulmonary hypertension in mice. *Frontiers in physiology*, 13, 1080875.

He D, et al. (2022) Methionine oxidation activates pyruvate kinase M2 to promote pancreatic cancer metastasis. *Molecular cell*, 82(16), 3045.

Ruivo CF, et al. (2022) Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression. *Gut*, 71(10), 2043.

Herrera Moro Chao D, et al. (2022) Hypothalamic astrocytes control systemic glucose metabolism and energy balance. *Cell metabolism*, 34(10), 1532.

Samidurai A, et al. (2021) Preclinical model of type 1 diabetes and myocardial ischemia/reperfusion injury in conscious rabbits-demonstration of cardioprotection with rapamycin. *STAR protocols*, 2(3), 100772.

Galaz J, et al. (2020) A Protocol for Evaluating Vital Signs and Maternal-Fetal Parameters Using High-Resolution Ultrasound in Pregnant Mice. *STAR protocols*, 1(3), 100134.

Alonso-Herranz L, et al. (2020) Macrophages promote endothelial-to-mesenchymal transition via MT1-MMP/TGF $\beta$ 1 after myocardial infarction. *eLife*, 9.

Yokota T, et al. (2020) Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. *Cell*, 182(3), 545.