

Resource Summary Report

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Agilent: 2100 Bioanalyzer Instrument

RRID:SCR_018043

Type: Tool

Proper Citation

Agilent: 2100 Bioanalyzer Instrument (RRID:SCR_018043)

Resource Information

URL: <https://www.agilent.com/en/product/automated-electrophoresis/bioanalyzer-systems/bioanalyzer-instrument/2100-bioanalyzer-instrument-228250>

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Description: Bioanalyzer system is automated electrophoresis tool that provides an analytical evaluation of various samples types in many workflows, including next generation sequencing NGS, gene expression, biopharmaceutical, and gene editing research. Digital data is provided in timely manner and delivers assessment of sizing, quantitation, integrity and purity from DNA, RNA, and proteins. Minimal sample volumes are required for accurate result, and data may be exported in many different formats.

Synonyms: Agilent 2100 Bioanalyzer, , 2100 Bioanalyzer (Agilent Technologies)

Resource Type: instrument resource

Keywords: ABRF, bioanalyzer, electrophoresis, DNA, RNA, protein, data analysis, instrument, equipment

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018043.pdf

Resource Name: Agilent: 2100 Bioanalyzer Instrument

Resource ID: SCR_018043

Alternate IDs: SCR_019389, Model_Number_2100 Bioanalyzer

Alternate URLs:

https://www.agilent.com/cs/library/usermanuals/public/2100_Bioanalyzer_Expert_USR.pdf

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260801T190617+0000

Ratings and Alerts

No rating or validation information has been found for Agilent: 2100 Bioanalyzer Instrument.

No alerts have been found for Agilent: 2100 Bioanalyzer Instrument.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 194 mentions in open access literature.

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

Barajas JM, et al. (2026) Tandem Duplications in UBTF Create XPO1-Dependent Nuclear Export Signals that Reveal a Leukemic Therapeutic Dependency. *Blood cancer discovery*, 7(1), 51.

Suwalska A, et al. (2026) Mutational landscape of normal breast tissues adjacent to invasive breast cancer. *Cell reports. Medicine*, 102543.

Khan MA, et al. (2026) Targeting FOXM1 reshapes antitumor immunity to attenuate small cell lung cancer progression. *Cancer letters*, 638, 218160.

Yousief SW, et al. (2026) Genome-wide identification of tissue-specific fitness genes in murine models of *Staphylococcus aureus* infection. *iScience*, 29(1), 114261.

Scourzic L, et al. (2026) T follicular helper cells transiently unlock a plasticity state in germinal centre B cells during the humoral immune response. *Nature cell biology*, 28(1), 35.

Nayak PK, et al. (2025) Transcriptome profiling of tendon fibroblasts at the onset of embryonic muscle contraction reveals novel force-responsive genes. *eLife*, 14.

Berger AH, et al. (2025) High-resolution transcriptional impact of AIRE: effects of pathogenic variants p.Arg257Ter, p.Cys311Tyr, and polygenic risk variant p.Arg471Cys. *Frontiers in immunology*, 16, 1572789.

Gr??tz C, et al. (2025) Extracellular vesicle-associated transcriptomic and proteomic biomarkers show in vitro potential for vandetanib treatment monitoring in anaplastic thyroid cancer. *Scientific reports*, 15(1), 32464.

Ahn A, et al. (2025) Impact of Acute Endurance Exercise on Alternative Splicing in Skeletal Muscle. *FASEB bioAdvances*, 7(8), e70024.

Wang T, et al. (2025) Multiomics analysis provides insights into musk secretion in muskrat and musk deer. *GigaScience*, 14.

Umeda M, et al. (2025) Fusion oncoproteins and cooperating mutations define disease phenotypes in NUP98-rearranged leukemia. medRxiv : the preprint server for health sciences.

Reinhold WC, et al. (2025) Acetalax and Bisacodyl for the Treatment of Triple-Negative Breast Cancer: A Combined Molecular and Preclinical Study. Cancer research communications, 5(2), 375.

Jiang H, et al. (2025) DCAF7 recruits USP2 to facilitate hepatocellular carcinoma progression by suppressing clockophagy-induced ferroptosis. Cell death & disease, 16(1), 654.

Mu H, et al. (2025) Methionine intervention induces PD-L1 expression to enhance the immune checkpoint therapy response in MTAP-deleted osteosarcoma. Cell reports. Medicine, 6(3), 101977.

Tout I, et al. (2025) The integrative genomic and functional immunological analyses of colorectal cancer initiating cells to modulate stemness properties and the susceptibility to immune responses. Journal of translational medicine, 23(1), 193.

Hayes K, et al. (2025) Microarray analysis of the effects of Acthar Gel versus methylprednisolone in a model of focal segmental glomerulosclerosis in female rats. Physiological reports, 13(7), e70321.

Sheth AS, et al. (2025) PLK1 Inhibition Induces Synthetic Lethality in Fanconi Anemia Pathway-Deficient Acute Myeloid Leukemia. Cancer research communications, 5(4), 648.

Chen H, et al. (2025) Chromosome-level genome assembly of Pinus massoniana provides insights into conifer adaptive evolution. GigaScience, 14.

Bensberg M, et al. (2025) Exposing the DNA methylation-responsive compartment of the leukaemic genome in T-ALL cell lines support its potential as a novel therapeutic target in T-ALL. Clinical epigenetics, 17(1), 114.

Laplante P, et al. (2025) Effect of MisMatch repair deficiency on metastasis occurrence in a syngeneic mouse model. Neoplasia (New York, N.Y.), 62, 101145.