

Resource Summary Report

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10x Genomics: Chromium Controller Genetic Analyzer

RRID:SCR_019326

Type: Tool

Proper Citation

10x Genomics: Chromium Controller Genetic Analyzer (RRID:SCR_019326)

Resource Information

URL: <https://www.10xgenomics.com/instruments/chromium-controller/>

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Description: Genetic analyzer, referred to as Chromium Controller for combining large partition numbers with a diverse barcode library to generate >100,000 barcode-containing partitions. Chromium Controller runs low- and standard-throughput assays. It does not run high-throughput assays. Chromium Controller uses advanced microfluidics to perform single cell partitioning and barcoding in a matter of minutes. Powered by Next GEM technology, the Chromium Controller enables integrated analysis of single cells at massive scale.

Resource Type: instrument resource

Keywords: 10X Genomics, Genetic Analyzer, Instrument Equipment, USEdit

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_019326.pdf

Resource Name: 10x Genomics: Chromium Controller Genetic Analyzer

Resource ID: SCR_019326

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260912T195912+0000

Ratings and Alerts

No rating or validation information has been found for 10x Genomics: Chromium Controller Genetic Analyzer.

No alerts have been found for 10x Genomics: Chromium Controller Genetic Analyzer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 35 mentions in open access literature.

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

Patiño M, et al. (2026) Protocol for mapping neural circuit connectivity with START: Single transcriptome assisted rabies tracing. STAR protocols, 7(2), 104634.

Sarropoulos I, et al. (2026) The evolution of gene regulation in mammalian cerebellum development. Science (New York, N.Y.), 391(6784), eadw9154.

Lee JB, et al. (2026) A Phase II Study of Stereotactic Ablative Radiotherapy plus Atezolizumab plus Tiragolumab in Treatment-Naïve Patients with Advanced Non-Small Cell Lung Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(14), 2898.

Wang Z, et al. (2026) Efficacy and Safety of Tunlametinib in Adults with Inoperable Neurofibromatosis Type 1-Associated Plexiform Neurofibromas: Phase IIa Trial and Biomarker Research. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(10), 1934.

Zhao W, et al. (2026) CAR-M2 immunotherapy resolves renal fibrosis via revascularization and apoptosis of profibrotic Cxcr2+ endothelial cells. Cell reports. Medicine, 7(4), 102698.

Wilski-Cronin NA, et al. (2026) Pyroptosis Modulates Multiple Immune Cell Populations in Targeted Therapy-Treated Melanoma. Cancer immunology research, 14(3), 374.

Nigri J, et al. (2026) Myofibroblasts Induce Neuroplasticity to Promote Pancreatic Inflammation and Cancer Progression. Cancer discovery, 16(5), 1014.

Liu X, et al. (2026) Claudins interact with LILRB immune inhibitory receptors to promote myeloid immunosuppression in cancer. Science immunology, 11(118), eadt7832.

Rebhun RB, et al. (2025) Phase 2 trial (NCI-COTC030) of adjuvant inhaled recombinant human IL-15 combined with amputation and adjuvant chemotherapy in dogs with appendicular osteosarcoma. Frontiers in immunology, 16, 1672790.

Liu Z, et al. (2025) Viral-Track integrated single-cell RNA-sequencing reveals HBV lymphotropism and immunosuppressive microenvironment in HBV-associated hepatocellular carcinoma. Communications biology, 8(1), 1030.

Abu Nahia K, et al. (2025) Protocol for the preparation of zebrafish whole heart cell suspension for single-cell analyses. STAR protocols, 6(1), 103586.

Renatino Canevarolo R, et al. (2025) Epigenetic Plasticity Drives Carcinogenesis and Multi-Therapy Resistance in Multiple Myeloma. Research square.

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

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.

Valvo VM, et al. (2025) Olaparib and Radiotherapy Induce Type I Interferon- and CD8+ T Cell-Dependent Sensitization to Immunotherapy in Pancreatic Cancer. Molecular cancer therapeutics, 24(6), 843.

Wischnewski V, et al. (2025) The local microenvironment suppresses the synergy between irradiation and anti-PD1 therapy in breast-to-brain metastasis. Cell reports, 44(3), 115427.

Snitow ME, et al. (2025) Stc1-expressing myofibroblasts are a developmentally distinct lineage cleared through apoptosis in the neonatal lung. Cell reports, 45(1), 116750.

Greene M, et al. (2025) A developmental program of early residency promotes the differentiation of divergent uterine NK cell subsets in humans. bioRxiv : the preprint server for biology.

Álvarez-Prado ÁF, et al. (2025) Cancer cell and microenvironmental rewiring by ADAR1 loss impairs glioblastoma tumor growth and extends survival. Cell reports, 44(9), 116151.

Shouse AN, et al. (2024) Interleukin-2 receptor signaling acts as a checkpoint that influences the distribution of regulatory T cell subsets. iScience, 27(12), 111248.