

Resource Summary Report

Generated by [ASWG](#) on Aug 5, 2026

Illumina: NextSeq 2000 system

RRID:SCR_023614

Type: Tool

Proper Citation

Illumina: NextSeq 2000 system (RRID:SCR_023614)

Resource Information

URL: <https://www.illumina.com/systems/sequencing-platforms/nextseq-1000-2000.html>

Proper Citation: Illumina: NextSeq 2000 system (RRID:SCR_023614)

Description: Sequencing system supports range of methods such as exome sequencing, target enrichment, single-cell profiling.

Resource Type: instrument resource

Keywords: Sequencing system, Illumina, instrument, equipment, USEdit

Resource Name: Illumina: NextSeq 2000 system

Resource ID: SCR_023614

Alternate IDs: Model_Number_NextSeq 2000

Record Creation Time: 20230527T050216+0000

Record Last Update: 20260801T190810+0000

Ratings and Alerts

No rating or validation information has been found for Illumina: NextSeq 2000 system.

No alerts have been found for Illumina: NextSeq 2000 system.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

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

Matchett CL, et al. (2026) Discovery and Validation of Molecular Biomarkers for Differentiation of Nondysplastic Barrett's Esophagus from High-grade Dysplasia and Esophageal Adenocarcinoma. Cancer prevention research (Philadelphia, Pa.), 19(1), 49.

Stern YE, et al. (2026) Targeting CDK12/13 Drives Mitotic Arrest to Overcome Resistance to KRASG12C Inhibitors. Cancer research, 86(2), 485.

Cappadona C, et al. (2026) Multi-omics identifies oxidative stress, prothrombotic pathways, and lactoperoxidase variants as key factors in COVID-19 severity. EBioMedicine, 123, 106111.

Ennis CS, et al. (2025) Plasma exosomes from individuals with type 2 diabetes drive breast cancer aggression in patient-derived organoids. Communications biology, 8(1), 1276.

Franck L, et al. (2025) Elevated hexosylceramides in Parkinson's disease cause gene upregulations in neurons mimicking responses to pathogens. NPJ Parkinson's disease, 11(1), 268.

Peyraud F, et al. (2025) Spatially resolved transcriptomics reveal the determinants of primary resistance to immunotherapy in NSCLC with mature tertiary lymphoid structures. Cell reports. Medicine, 6(2), 101934.

Ospina OE, et al. (2025) spatialGE Is a User-Friendly Web Application That Facilitates Spatial Transcriptomics Data Analysis. Cancer research, 85(5), 848.

Chrysostomakis I, et al. (2025) A high-quality reference genome for the Ural Owl (*Strix uralensis*) enables investigations of cell cultures as a genomic resource for endangered species. GigaScience, 14.

Mesropian A, et al. (2025) E7386 Enhances Lenvatinib's Antitumor Activity in Preclinical Models and Human Hepatocellular Carcinoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(23), 5037.

Clarke D, et al. (2025) A vascular-associated fibroblastic cell controls pancreatic islet immunity. Cell reports, 44(9), 116189.

Stein-O'Brien GL, et al. (2025) Transcriptional signatures of hippocampal tau pathology in primary age-related tauopathy and Alzheimer's disease. Cell reports, 44(3), 115422.

Welch HF, et al. (2025) Molecular and functional asymmetry in Cckar-expressing vagal sensory neurons. Cell reports, 44(11), 116507.

Petry P, et al. (2025) Early microglia progenitors colonize the embryonic CNS via integrin-mediated migration from the pial surface. Developmental cell.

Aragon JW, et al. (2025) Emergence of endothelial subtypes and role of cell cycle control in arterial-venous specification during embryonic vascular development. Cell reports,

44(10), 116368.

Liu Y, et al. (2025) Single-cell RNA-seq identifies protracted mouse germline X chromosome reactivation dynamics directed by a PRC2-dependent mechanism. *Developmental cell*, 60(9), 1321.

Wang Y, et al. (2025) PALB2 and 53BP1 govern post-resection homologous recombination DNA repair. *Molecular cell*, 85(15), 2824.

Eguchi S, et al. (2025) CXCL10-induced chemotaxis of ex vivo-expanded natural killer cells combined with NKTR-255 enhances anti-tumor efficacy in osteosarcoma. *Molecular therapy*. *Oncology*, 33(4), 201051.

Li H, et al. (2024) Protocol for isolating single species of bacteria with swarming ability from human feces. *STAR protocols*, 5(2), 102961.

Danev N, et al. (2024) Comparative transcriptomic analysis of bovine mesenchymal stromal cells reveals tissue-source and species-specific differences. *iScience*, 27(2), 108886.

Ray R, et al. (2024) Eliciting a single amino acid change by vaccination generates antibody protection against group 1 and group 2 influenza A viruses. *Immunity*, 57(5), 1141.