

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

Illumina: NextSeq 500

RRID:SCR_014983

Type: Tool

Proper Citation

Illumina: NextSeq 500 (RRID:SCR_014983)

Resource Information

URL: https://support.illumina.com/sequencing/sequencing_instruments/nextseq-500.html

Proper Citation: Illumina: NextSeq 500 (RRID:SCR_014983)

Description: High-throughput sequencing machine which enables sequencing of exomes, whole genomes, and transcriptomes. It also provides flow cell types, real-time analysis, and integration with Illumina's BaseSpace computing environment.

Resource Type: instrument resource

Keywords: sequencing machine, hardware, high-throughput sequencing, instrument, equipment

Availability: Commercially available

Specification URL: <https://drive.google.com/file/d/16j1XCU32o89dcgcupIpElk4H2w0FYna/view?usp=drivesdk>

Resource Name: Illumina: NextSeq 500

Resource ID: SCR_014983

Alternate URLs: https://support.illumina.com/content/dam/illumina-support/documents/documentation/system_documentation/nextseq/nextseq-500-system-guide-15046563-07.pdf

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260801T190510+0000

Ratings and Alerts

No rating or validation information has been found for Illumina: NextSeq 500.

No alerts have been found for Illumina: NextSeq 500.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 43 mentions in open access literature.

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

Maerz MD, et al. (2026) BCG vaccination induces antibacterial effector functions among V α 1/3 T cells that are associated with protection against tuberculosis. Cell reports. Medicine, 102536.

Furuya RL, et al. (2026) Comparison of breast and gastric HER2 immunohistochemistry (IHC) scoring criteria in the assessment of endometrial carcinoma. Gynecologic oncology, 204, 17.

Yang W, et al. (2025) Impaired mitochondrial metabolism is a critical cancer vulnerability for MYC inhibitors. Science advances, 11(29), eadw5228.

Ardalan B, et al. (2025) Distinct Molecular and Clinical Features of Specific Variants of KRAS Codon 12 in Pancreatic Adenocarcinoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(6), 1082.

Godinez-Zamora GF, et al. (2025) Contribution of next generation sequencing to the diagnosis of inborn errors of immunity in a pediatric cohort. Frontiers in immunology, 16, 1638544.

Abdullah KG, et al. (2025) Gliomas phenocopy an inborn error of metabolism to drive neuronal activity and tumor growth. bioRxiv : the preprint server for biology.

Meng Y, et al. (2024) Sex and age affect depot expression of Ca²⁺ channels in rat white fat adipocytes. Journal of molecular endocrinology, 72(4).

Dawson CA, et al. (2024) Hormone-responsive progenitors have a unique identity and exhibit high motility during mammary morphogenesis. Cell reports, 43(12), 115073.

Robey RW, et al. (2024) The Methyltransferases METTL7A and METTL7B Confer Resistance to Thiol-Based Histone Deacetylase Inhibitors. Molecular cancer therapeutics, 23(4), 464.

Jamal T, et al. (2024) Experience-dependent regulation of dopaminergic signaling in the somatosensory cortex. Progress in neurobiology, 239, 102630.

Ramirez MD, et al. (2024) Cellular-resolution gene expression mapping reveals organization in the head ganglia of the gastropod, *Berghia stephanieae*. The Journal of comparative neurology, 532(6), e25628.

Chambers C, et al. (2023) SWI/SNF Blockade Disrupts PU.1-Directed Enhancer Programs in Normal Hematopoietic Cells and Acute Myeloid Leukemia. *Cancer research*, 83(7), 983.

Hurtado-Navarro L, et al. (2023) NLRP3 inflammasome activation and symptom burden in KRAS-mutated CMML patients is reverted by IL-1 blocking therapy. *Cell reports. Medicine*, 4(12), 101329.

Adaku N, et al. (2023) Apolipoprotein E2 Stimulates Protein Synthesis and Promotes Melanoma Progression and Metastasis. *Cancer research*, 83(18), 3013.

Smits WK, et al. (2023) Elevated enhancer-oncogene contacts and higher oncogene expression levels by recurrent CTCF inactivating mutations in acute T cell leukemia. *Cell reports*, 42(4), 112373.

Li YE, et al. (2023) A comparative atlas of single-cell chromatin accessibility in the human brain. *Science (New York, N.Y.)*, 382(6667), eadf7044.

Marmor-Kollet N, et al. (2023) Actin-dependent astrocytic infiltration is a key step for axon defasciculation during remodeling. *Cell reports*, 42(2), 112117.

Zhao Y, et al. (2023) Debugging and consolidating multiple synthetic chromosomes reveals combinatorial genetic interactions. *Cell*, 186(24), 5220.

SanMiguel JM, et al. (2022) Distinct Tumor Necrosis Factor Alpha Receptors Dictate Stem Cell Fitness versus Lineage Output in Dnmt3a-Mutant Clonal Hematopoiesis. *Cancer discovery*, 12(12), 2763.

Spitzer B, et al. (2022) Bone Marrow Surveillance of Pediatric Cancer Survivors Identifies Clones that Predict Therapy-Related Leukemia. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 28(8), 1614.