

Resource Summary Report

Generated by [NIF](#) on Sep 16, 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: 20260912T195824+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 58 mentions in open access literature.

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

Maki R, et al. (2026) Ldha Regulates Osteosarcoma Lung Metastasis through Hedgehog Signaling. Cancer research communications, 6(6), 1495.

Sato K, et al. (2026) Aberrant Hippo-YAP/TEAD Signaling Drives Malignant Transcriptional Reprogramming in External Auditory Canal Squamous Cell Carcinoma. Cancer research communications, 6(2), 260.

Gholami S, et al. (2026) CXCR4 mRNA overexpression: an indicator of poor survival and predictor of response to immune checkpoint inhibitors in patients with metastatic colorectal cancer. BMJ oncology, 5(1), e001003.

Kumar A, et al. (2026) Transcription initiation profiling defines the regulatory logic of astrocyte gene regulation. bioRxiv : the preprint server for biology.

Duan S, et al. (2026) Hedgehog signaling drives glial cell plasticity and oncogenic reprogramming in gastroenteropancreatic neuroendocrine neoplasms. Molecular cancer, 25(1).

Baurès M, et al. (2026) Targeting pre-existing club-like cells in prostate cancer potentiates androgen deprivation therapy. EMBO molecular medicine, 18(3), 943.

Alsina M, et al. (2026) Anti-B-cell Maturation Antigen Chimeric Antigen Receptor T-cell Therapy bb21217 for Relapsed and Refractory Multiple Myeloma: Results from the Phase I CRB-402 Study. Cancer immunology research, 14(4), 528.

Vuong TT, et al. (2026) DNA Methyltransferase Inhibition Prevents Platinum-Induced Ovarian Cancer Stem Cell Enrichment. Cancer research communications, 6(7), 1721.

Roger E, et al. (2026) ATM Deficiency Induces TGF β -Mediated Stromal Programming in Pancreatic Cancer. Cancer research, 86(14), 3412.

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.

Kareff SA, et al. (2026) The genomic, transcriptomic, and immunologic landscape of TEM8 (ANTXR1) in neuroendocrine neoplasms (NENs) including small-cell lung cancer (SCLC). *Cancer treatment and research communications*, 47, 101190.

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

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.

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

Sledge GW, et al. (2025) Mechanisms of resistance to trastuzumab deruxtecan in breast cancer elucidated by multi-omic molecular profiling. *NPJ breast cancer*, 12(1), 1.

Gupta G, et al. (2025) Real-World Impact of Metformin on Outcomes in Patients with Deficient DNA Mismatch Repair and Microsatellite Instability (dMMR/MSI) Colorectal Cancer Treated with Immune Checkpoint Inhibitors. *Cancers*, 17(24).

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.

Brummel K, et al. (2025) Spatiotemporal Immune Landscape and Long-term Immune Memory in POLE-Mutant Endometrial Cancer at the Single-Cell Level. *Cancer immunology research*, 13(12), 1911.

Papadimitriou M, et al. (2025) Timing Genomic Antigen Loss in Multiple Myeloma Treated with T Cell-Redirecting Immunotherapies. *Blood cancer discovery*, 6(6), 572.