Resource Summary Report

Generated by RRID on Aug 6, 2026

Illumina: NextSeq 550 System

RRID:SCR_016381
Type: Tool

Proper Citation

Illumina: NextSeq 550 System (RRID:SCR_016381)

Resource Information

URL: https://www.illumina.com/systems/sequencing-platforms/nextseq.html

Proper Citation: Illumina: NextSeq 550 System (RRID:SCR_016381)

Description: The NextSeq 550 System brings the power of a high-throughput sequencing system to your benchtop. With tunable output and high data quality, it provides the flexible power you need for whole-genome, transcriptome, and targeted resequencing.

Synonyms: NextSeq 550

Resource Type: instrument resource

Keywords: hardware, instrument, equipment, sequencer, sequencing, dna, rna, platform, nextseq series

Availability: Commercially available, Available for purchase

Specification URL: https://drive.google.com/file/d/1QpYWRs6dJVPOehmffnqBvJ-ChEyoJlra/view?usp=drivesdk

Resource Name: Illumina: NextSeq 550 System

Resource ID: SCR_016381

Alternate IDs: SCR_020141

Alternate URLs: https://www.illumina.com/content/dam/illumina/gcs/assembled-assets/marketing-literature/nextseq-550-system-spec-sheet-m-gl-01298/nextseq-550-system-spec-sheet-m-gl-01298.pdf

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Record Last Update: 20260801T190531+0000

Ratings and Alerts

No rating or validation information has been found for Illumina: NextSeq 550 System.

No alerts have been found for Illumina: NextSeq 550 System.

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 RRID .

Lim SH, et al. (2025) Determinants of Response to Sequential Pembrolizumab with Trastuzumab plus Platinum/5-FU in HER2-Positive Gastric Cancer: A Phase II Chemoimmunotherapy Trial. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(8), 1476.

Araujo-Castro M, et al. (2025) Genetic Testing for Primary Aldosteronism in SPAIN: Results From the SPAIN-ALDO Registry and Review of the Literature. The Journal of clinical endocrinology and metabolism, 110(5), e1573.

Kogai H, et al. (2025) Broad-Spectrum Efficacy of CEACAM6-Targeted Antibody-Drug Conjugate with BET Protein Degrader in Colorectal, Lung, and Breast Cancer Mouse Models. Molecular cancer therapeutics, 24(3), 392.

Betim ME, et al. (2025) Influence of Sub-Inhibitory Concentrations of Sanitizers and Oxacillin on the Resistance of Methicillin-Resistant Staphylococcus spp. Veterinary sciences, 12(10).

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

Vidal-Vázquez N, et al. (2025) A single-nucleus RNA sequencing atlas of the postnatal retina of the shark Scyliorhinus canicula. Scientific data, 12(1), 228.

Boccardo S, et al. (2025) Dynamics of tissue repair regulatory T cells and damage in acute Trypanosoma cruzi infection. PLoS pathogens, 21(1), e1012906.

George SL, et al. (2025) Stratified Medicine Pediatrics: Cell-Free DNA and Serial Tumor Sequencing Identifies Subtype-Specific Cancer Evolution and Epigenetic States. Cancer discovery, 15(4), 717.

Xiong EH, et al. (2025) Protocol to identify genes important for Candida albicans fitness in diverse environmental conditions using pooled bar-seq screening approach. STAR protocols, 6(1), 103645.

Khan N, et al. (2025) Human Papillomavirus Integration Induces Oncogenic Host Gene Fusions in Oropharyngeal Cancers. Cancer discovery, 15(9), 1927.

MacMillan AC, et al. (2025) PRPS activity tunes redox homeostasis in Myc-driven lymphoma. Redox biology, 84, 103649.

Baker MJ, et al. (2025) VAV2 Drives EGFR-Mediated Rac1 Responses in Prostate Cancer. Molecular cancer research : MCR, 23(8), 684.

Saggese P, et al. (2024) Glucose Deprivation Promotes Pseudohypoxia and Dedifferentiation in Lung Adenocarcinoma. Cancer research, 84(2), 305.

Kawai M, et al. (2024) Early detection of pancreatic cancer by comprehensive serum miRNA sequencing with automated machine learning. British journal of cancer, 131(7), 1158.

Armani-Tourret M, et al. (2024) Selection of epigenetically privileged HIV-1 proviruses during treatment with panobinostat and interferon-?2a. Cell, 187(5), 1238.

Gupta R, et al. (2024) Atypical cellular responses mediated by intracellular constitutive active TrkB (NTRK2) kinase domains and a solely intracellular NTRK2-fusion oncogene. Cancer gene therapy, 31(9), 1357.

Alexander WB, et al. (2024) Smad4 restricts injury-provoked biliary proliferation and carcinogenesis. Disease models & mechanisms, 17(6).

Ferrari RR, et al. (2024) A Map of Transcriptomic Signatures of Different Brain Areas in Alzheimer's Disease. International journal of molecular sciences, 25(20).

Conn VM, et al. (2024) Use of synthetic circular RNA spike-ins (SynCRS) for normalization of circular RNA sequencing data. Nature protocols.

Rudramurthy GR, et al. (2023) Genomic Mutations in SARS-CoV-2 Genome following Infection in Syrian Golden Hamster and Associated Lung Pathologies. Pathogens (Basel, Switzerland), 12(11).