

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>

Record Creation Time: 20220129T080330+0000

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 Degradar 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.

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.

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.

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

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- γ 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).