

Resource Summary Report

Generated by [NIF](#) on Aug 21, 2026

Illumina MiSeq System

RRID:SCR_016379

Type: Tool

Proper Citation

Illumina MiSeq System (RRID:SCR_016379)

Resource Information

URL: <https://www.illumina.com/systems/sequencing-platforms/miseq.html>

Proper Citation: Illumina MiSeq System (RRID:SCR_016379)

Description: MiSeq System offers wide range of sequencing applications. Capable of automated paired end reads and up to 15 Gb per run, delivering over 600 bases of sequence data per read. The library prep kits are optimized for variety of applications, including targeted gene, small genome, and amplicon sequencing, 16S metagenomics.

Synonyms: MiSeq

Resource Type: portal, topical portal, data or information resource

Keywords: Illumina, Sequencing System, Instrument Equipment, USEDit,

Availability: Restricted

Resource Name: Illumina MiSeq System

Resource ID: SCR_016379

Alternate IDs: SCR_020134, Model_Number_MiSeq

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260821T043012+0000

Ratings and Alerts

No rating or validation information has been found for Illumina MiSeq System.

No alerts have been found for Illumina MiSeq System.

Data and Source Information

Usage and Citation Metrics

We found 2022 mentions in open access literature.

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

Hill K, et al. (2026) Impact of a GABA-Producing *Lactococcus lactis* on Microbiota and Mycobiota During CNS Inflammatory Demyelination. *FASEB bioAdvances*, 8(1), e70085.

Galvez NMS, et al. (2026) HIV broadly neutralizing antibody escape dynamics drive the outcome of AAV-vectored immunotherapy in humanized mice. *Immunity*, 59(3), 768.

Watanabe M, et al. (2026) Evidence of anti-corticotroph autoantibodies in Down syndrome with isolated adrenocorticotrophic hormone deficiency: findings from a single case. *Endocrine*, 91(1).

Principe N, et al. (2026) Comparative analysis of malignant pleural effusion and peripheral blood reveals unique T cell signatures associated with survival in mesothelioma patients. *Oxford open immunology*, 7(1), iqaf008.

D'Andrea G, et al. (2026) Hydroxytyrosol Mitigates Anxiety-Like Behaviors After a Traumatic Experience in Aged Mice in Parallel With Increased Neurogenesis in the Ventral and Dorsal Dentate Gyrus, and Preservation of Gut Microbiota Composition. *Journal of neurochemistry*, 170(5), e70448.

Kim S, et al. (2026) Gut microbiota transfer from autoimmune dry eye mice imprints stereotypic B cell receptor repertoires in the lacrimal gland and induces disease. *Frontiers in immunology*, 17, 1827057.

Brukner I, et al. (2026) Extrachromosomal microDNA Signature as a Candidate Biomarker in Pediatric Acute Lymphoblastic Leukemia. *Cancer research communications*, 6(1), 143.

Shah UA, et al. (2026) A High-Fiber, Plant-Based Diet in Myeloma Precursor Disorders: Results from the NUTRIVENTION Clinical Trial and Preclinical Vk*MYC Model. *Cancer discovery*, 16(4), 697.

Liu YY, et al. (2026) Assessing whether rectal swabs reflect appendiceal microbiota profiles in acute appendicitis: a 16S rRNA-based comparative study. *Gut pathogens*, 18(1), 10.

Sanz-Garcia E, et al. (2026) Investigating Early Kinetics in Plasma ctDNA and Peripheral T-cell Receptor Repertoire to Predict Treatment Outcomes to PD-1 Inhibitors in Head and Neck Squamous Cell Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(4), 735.

Yao TH, et al. (2026) Machine learning-based multimodal biomarkers enable accurate diagnosis and early detection of pancreatic ductal adenocarcinoma. *Scientific reports*, 16(1), 658.

Baek HI, et al. (2026) Efficacy and Safety of CKDB-322, a Combination of *Lactiplantibacillus plantarum* Q180 and *Phaeodactylum tricornutum*, for Reducing Body Fat and Abdominal Adiposity in Overweight Adults. *Nutrients*, 18(2).

Doré G, et al. (2026) First draft genome of the decaploid species, *Ludwigia grandiflora* subsp. *hexapetala*, validated through gene expression. *GigaByte* (Hong Kong, China), 2026, gigabyte176.

Hakim A, et al. (2026) A high-throughput, end-to-end pipeline for extracellular miRNA biomarker discovery from human biofluids. *Cell reports methods*, 101502.

Miyachi R, et al. (2026) Experimental verification of the error minimization theory using non-standard genetic codes constructed in vitro. *eLife*, 15.

Cwiek A, et al. (2026) Retinoic acid regulates fetoplacental vascularization via notch signaling and a SEMA3E/F-PLEXIND1 axis. *iScience*, 29(4), 115205.

Sreekumar A, et al. (2026) Residual Breast Cancer Cells Co-opt SOX5-Driven Endochondral Ossification to Maintain Dormancy. *Cancer discovery*, 16(4), 781.

Suresh V, et al. (2026) Modelling EWS::FLI1 protein fluctuations reveal determinants of tumor plasticity in Ewing sarcoma. *EMBO molecular medicine*, 18(2), 646.

Rodríguez-García A, et al. (2025) Microbiota-derived urolithin A in monoclonal gammopathies and multiple myeloma therapy. *Microbiome*, 13(1), 56.

Yeh HW, et al. (2025) Mitochondrial glutathione import enables breast cancer metastasis via integrated stress response signaling. *Cancer discovery*.