

Resource Summary Report

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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: topical portal, 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: 20260805T044353+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 2001 mentions in open access literature.

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

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.

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.

Luo B, et al. (2025) Resveratrol amplifies the anti-tumor effect of γ -PD-1 by altering the intestinal microbiome and PGD2 content. *Gut microbes*, 17(1), 2447821.

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

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

Abukhiran IM, et al. (2025) Mucosal Microbiome Markers of Complete Pathologic Response to Neoadjuvant Therapy in Rectal Carcinoma. *Cancer research communications*, 5(5), 756.

von Ameln Lovison O, et al. (2025) Unveiling the role of the upper respiratory tract microbiome in susceptibility and severity to COVID-19. *Frontiers in cellular and infection microbiology*, 15, 1531084.

Xu CCY, et al. (2025) Pre-exposure to stress reduces loss of community and genetic diversity following severe environmental disturbance. *Current biology : CB*, 35(5), 1061.

Kim CW, et al. (2025) Gut dysbiosis from high-salt diet promotes glioma via propionate-mediated TGF- β activation. *The Journal of experimental medicine*, 222(8).

Deézsi-Magyar N, et al. (2025) Evaluating enterovirus diversity among symptomatic patients in Hungary during and after easing the COVID-19 lockdown. *Virology journal*, 22(1), 204.

Dennison DD, et al. (2025) Ubiquitin chain variability directs substrates of the Tul1 ubiquitin ligase complex to different degradation pathways. *The Journal of cell biology*, 224(9).

Guerrero C, et al. (2025) Dynamics of Mutant Hematopoietic Progenitor Cells Are Not Associated with Clinical Outcomes in Multiple Myeloma. *Blood cancer discovery*, 6(3), 203.

Gonzalez-Lozano MA, et al. (2025) EndoMAP.v1 charts the structural landscape of human early endosome complexes. *Nature*, 643(8070), 252.

Aragon JW, et al. (2025) Emergence of endothelial subtypes and role of cell cycle control in arterial-venous specification during embryonic vascular development. *Cell reports*, 44(10), 116368.

Fortunato MC, et al. (2025) Maternal Tryptophan Supplementation Alters Offspring Gut-Brain Axis and Behavior in a Sex-Specific Manner. *Journal of neurochemistry*, 169(7), e70161.

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.

Tanabe M, et al. (2025) 1-Kestose Prevents Psychiatric-Like Behavior by Enhancing Short-Chain Fatty Acid Production. *Journal of neurochemistry*, 169(11), e70273.

Chesner LN, et al. (2025) Androgen Receptor Inhibition Increases MHC Class I Expression and Improves Immune Response in Prostate Cancer. *Cancer discovery*, 15(3), 481.

Pérez-Accino J, et al. (2025) Effect of a single rectal fecal microbiota transplantation on clinical severity and fecal microbial communities in dogs with chronic inflammatory enteropathy. *Journal of veterinary internal medicine*, 39(1), e17264.

Park S, et al. (2025) Functional Analysis of Rare RAS Variants of Unknown Significance. *Cancer research communications*, 5(10), 1747.