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

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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, data or information resource, portal

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

Funding:

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: 20250411T055912+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

Source: SciCrunch Registry

Usage and Citation Metrics

We found 54 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Bowron LA, et al. (2024) The airway microbiome of persons with cystic fibrosis correlates with acquisition and microbiological outcomes of incident Stenotrophomonas maltophilia infection. Frontiers in microbiology, 15, 1353145.

Silva T, et al. (2024) Enhancing the epidemiological surveillance of SARS-CoV-2 using Sanger sequencing to identify circulating variants and recombinants. Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology], 55(3), 2085.

?aniewski P, et al. (2024) Viewing Native American Cervical Cancer Disparities through the Lens of the Vaginal Microbiome: A Pilot Study. Cancer prevention research (Philadelphia, Pa.), 17(11), 525.

Song P, et al. (2024) Gut microbiota non-convergence and adaptations in sympatric Tibetan and Przewalski's gazelles. iScience, 27(3), 109117.

Chilton PM, et al. (2024) Age-associated temporal decline in butyrate-producing bacteria plays a key pathogenic role in the onset and progression of neuropathology and memory deficits in 3×Tg-AD mice. Gut microbes, 16(1), 2389319.

Rodríguez-García A, et al. (2024) Short-Chain Fatty Acid Production by Gut Microbiota Predicts Treatment Response in Multiple Myeloma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(4), 904.

Lai J, et al. (2024) Relative efficacy of masks and respirators as source control for viral aerosol shedding from people infected with SARS-CoV-2: a controlled human exhaled breath aerosol experimental study. EBioMedicine, 104, 105157.

Ray R, et al. (2024) Eliciting a single amino acid change by vaccination generates antibody protection against group 1 and group 2 influenza A viruses. Immunity, 57(5), 1141.

Treekitkarnmongkol W, et al. (2024) Blood-Based microRNA Biomarker Signature of Early-Stage Pancreatic Ductal Adenocarcinoma With Lead-Time Trajectory in Prediagnostic

Samples. Gastro hep advances, 3(8), 1098.

Fell CW, et al. (2024) Precise kilobase-scale genomic insertions in mammalian cells using PASTE. Nature protocols.

Cadena-Caballero CE, et al. (2023) APGW/AKH Precursor from Rotifer Brachionus plicatilis and the DNA Loss Model Explain Evolutionary Trends of the Neuropeptide LWamide, APGWamide, RPCH, AKH, ACP, CRZ, and GnRH Families. Journal of molecular evolution, 91(6), 882.

Zimmer K, et al. (2023) PBRM1 mutations might render a subtype of biliary tract cancers sensitive to drugs targeting the DNA damage repair system. NPJ precision oncology, 7(1), 64.

Carpenter MA, et al. (2023) Mutational impact of APOBEC3A and APOBEC3B in a human cell line and comparisons to breast cancer. PLoS genetics, 19(11), e1011043.

Hurtado-Navarro L, et al. (2023) NLRP3 inflammasome activation and symptom burden in KRAS-mutated CMML patients is reverted by IL-1 blocking therapy. Cell reports. Medicine, 4(12), 101329.

Pendse M, et al. (2023) Macrophages regulate gastrointestinal motility through complement component 1q. eLife, 12.

Tran TDB, et al. (2023) The microbial community dynamics of cocaine sensitization in two behaviorally divergent strains of collaborative cross mice. Genes, brain, and behavior, e12845.

Sieler MJ, et al. (2023) Disentangling the link between zebrafish diet, gut microbiome succession, and Mycobacterium chelonae infection. Animal microbiome, 5(1), 38.

Sieler M, et al. (2023) Common laboratory diets differentially influence zebrafish gut microbiome's successional development and sensitivity to pathogen exposure. Research square.

Prem EM, et al. (2023) Effects of phenyl acids on different degradation phases during thermophilic anaerobic digestion. Frontiers in microbiology, 14, 1087043.

Vlassis A, et al. (2023) CRISPR-Cas12a-integrated transgenes in genomic safe harbors retain high expression in human hematopoietic iPSC-derived lineages and primary cells. iScience, 26(12), 108287.