

Resource Summary Report

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Thermo Fisher: HID Ion GeneStudio S5 Prime System

RRID:SCR_017984

Type: Tool

Proper Citation

Thermo Fisher: HID Ion GeneStudio S5 Prime System (RRID:SCR_017984)

Resource Information

URL: <https://www.thermofisher.com/order/catalog/product/A41433?SID=srch-srp-A41433#/A41433?SID=srch-srp-A41433>

Proper Citation: Thermo Fisher: HID Ion GeneStudio S5 Prime System (RRID:SCR_017984)

Description: Thermo Fisher Ion Torrent Sequencer. Semiconductor based next generation sequencing system that enables simple targeted sequencing workflows. With cartridge based reagents, system is simple to use and offers scalability and flexibility. Uses Ion 5 Series chips to support broad range of forensic applications including mitochondria sequencing, STR analysis, and SNP genotyping.

Synonyms: HID Ion GeneStudio™ S5 Prime System

Resource Type: instrument resource

Keywords: sequencing machine, hardware, high-throughput sequencing, instrument, equipment

Availability: Restricted

Resource Name: Thermo Fisher: HID Ion GeneStudio S5 Prime System

Resource ID: SCR_017984

Alternate URLs: https://assets.thermofisher.com/TFS-Assets/LSG/manuals/MAN0017528_Ion_GeneStudio_S5_Instrument_UG.pdf

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Ratings and Alerts

No rating or validation information has been found for Thermo Fisher: HID Ion GeneStudio S5 Prime System.

No alerts have been found for Thermo Fisher: HID Ion GeneStudio S5 Prime System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 25 mentions in open access literature.

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

Chung HH, et al. (2025) First detection of the S989P+V1016G+D1763Y haplotype and expansion of voltage-gated sodium channel mutations in *Aedes aegypti* in Taiwan in 2016-2023. PLoS neglected tropical diseases, 19(1), e0012768.

Scaglione D, et al. (2025) Deep resequencing unveils novel SNPs, InDels, and large structural variants for the clonal fingerprinting of sweet orange [*Citrus sinensis* (L.) Osbeck]. The plant genome, 18(1), e20544.

Moawad MA, et al. (2025) Genetic polymorphisms of the Growth Hormone (GH) gene in Damascus and Black Bengal male goats. Tropical animal health and production, 57(1), 18.

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.

Jones I, et al. (2024) Isolation, characterization, and genetic manipulation of cold-tolerant, manganese-oxidizing *Pseudomonas* sp. strains. Applied and environmental microbiology, 90(9), e0051024.

Muto H, et al. (2023) A Simple and Effective Method for Solid Medium Cultivation of Strictly Hydrogen- and Sulfur-oxidizing Chemolithoautotrophs Predominant in Deep-sea Hydrothermal Fields. Microbes and environments, 38(6).

Mauhay JD, et al. (2023) Molecular Analysis of Rabies Virus Using RNA Extracted from Used Lateral Flow Devices. Journal of clinical microbiology, 61(3), e0154322.

Mubarok H, et al. (2023) Phylogenetic and genetic variation analysis of lesser short-nosed fruit bat *Cynopterus brachyotis* (Müller 1838) on Java island, Indonesia, inferred from mitochondrial D-loop. Journal, genetic engineering & biotechnology, 21(1), 1.

Chung HH, et al. (2022) The role of voltage-gated sodium channel genotypes in pyrethroid resistance in *Aedes aegypti* in Taiwan. PLoS neglected tropical diseases, 16(9), e0010780.

- Dorlass EG, et al. (2021) Survey of SARS-CoV-2 genetic diversity in two major Brazilian cities using a fast and affordable Sanger sequencing strategy. *Genomics*, 113(6), 4109.
- Lv D, et al. (2021) Genetic Identification of Edible Bird's Nest in Thailand Based on ARMS-PCR. *Frontiers in genetics*, 12, 632232.
- Patel A, et al. (2021) Next-Generation Sequencing of Cell-Free DNA Extracted From Pleural Effusion Supernatant: Applications and Challenges. *Frontiers in medicine*, 8, 662312.
- Hamilton M, et al. (2021) Spatiotemporal Variations in Antarctic Protistan Communities Highlight Phytoplankton Diversity and Seasonal Dominance by a Novel Cryptophyte Lineage. *mBio*, 12(6), e0297321.
- Hollfelder N, et al. (2021) The Genetic Variation of Lactase Persistence Alleles in Sudan and South Sudan. *Genome biology and evolution*, 13(5).
- Ryou S, et al. (2021) Characterization of HIV-1 recombinant and subtype B near full-length genome among men who have sex with men in South Korea. *Scientific reports*, 11(1), 4122.
- Godinez CJP, et al. (2021) Population Genetic Structure and Contribution of Philippine Chickens to the Pacific Chicken Diversity Inferred From Mitochondrial DNA. *Frontiers in genetics*, 12, 698401.
- Dadgar Pakdel J, et al. (2020) Identification, molecular characterization and expression of aminopeptidase N-1 (APN-1) from *Anopheles stephensi* in SF9 cell line as a candidate molecule for developing a vaccine that interrupt malaria transmission. *Malaria journal*, 19(1), 79.
- Bazhenov M, et al. (2020) Molecular Characterization of the Dwarf53 Gene Homolog in *Dasypyrum villosum*. *Plants (Basel, Switzerland)*, 9(2).
- Pazian M, et al. (2020) Hidden Genetic Variability, Can the Olive Moth *Prays oleae* (Lepidoptera: Yponomeutidae or Praydidae?) be a Species' Complex? *Insects*, 11(4).
- Nguyen DC, et al. (2019) Genetic diversity of leafy amaranth (*Amaranthus tricolor* L.) resources in Vietnam. *Breeding science*, 69(4), 640.