Resource Summary Report

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Agilent: BioTek Synergy H1 Multimode Reader

RRID:SCR_019748
Type: Tool

Proper Citation

Agilent: BioTek Synergy H1 Multimode Reader (RRID:SCR_019748)

Resource Information

URL: https://www.agilent.com/en/product/microplate-instrumentation/microplate-readers/multimode-microplate-readers/biotek-synergy-h1-multimode-reader-1623193

Proper Citation: Agilent: BioTek Synergy H1 Multimode Reader (RRID:SCR_019748)

Description: Modular multimode microplate reader, with monochromator-based optics and filter-based optics for fluorescence and luminescence detection, plus filter-free UV-Vis absorbance. Hybrid is the term that Agilent BioTek uses to describe the unique optical systems available for Synergy H1 multimode readers. Each of these readers is configurable to include filter-based or monochromator-based optics for fluorescence and luminescence detection, or they can include both filter- and monochromator-based optics for maximum assay flexibility, sensitivity, and specificity. The bandwidth can be set between 9 and 50 nm, in 1 nm increments, to fully optimize reader settings for best sensitivity and specificity compared to fixed bandwidth systems. Comes with Gen5 Data Analysis Software.

Synonyms: , BioTek Synergy H1 Hybrid Multi-Mode Microplate Reader, Agilent BioTek Synergy H1, BioTek Synergy H1 Multimode Reader

Resource Type: instrument resource

Keywords: Biotek, BioTek, Multi-Mode Microplate Reader, Instrument, Equipment

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_019748.pdf

Resource Name: Agilent: BioTek Synergy H1 Multimode Reader

Resource ID: SCR_019748

Alternate IDs: Model_Number_Synergy_H1

Record Creation Time: 20220129T080346+0000

Record Last Update: 20260725T190916+0000

Ratings and Alerts

No rating or validation information has been found for Agilent: BioTek Synergy H1 Multimode Reader.

No alerts have been found for Agilent: BioTek Synergy H1 Multimode Reader.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Jobst M, et al. (2025) Retrograde rearrangement of mitochondria correlates with nuclear deformation and genotoxic damage. iScience, 28(8), 112955.

Fiskus W, et al. (2025) Preclinical efficacy of tasquinimod-based combinations in advanced myeloproliferative neoplasms in blastic phase. Blood advances, 9(21), 5598.

Suwanmanee G, et al. (2025) Fucoxanthin protects placenta-derived human mesenchymal stem cells against oxidative stress-induced apoptosis by modulating genes involved in DNA damage repair, ER stress response, p53-induced apoptosis. Stem cell research & therapy, 16(1), 497.

Lamichhane A, et al. (2025) Targeting CAFs-Mediated Stromal Signaling in a Patient-Derived Organotypic Colorectal Tumor Model. Molecular cancer therapeutics, 24(8), 1265.

Khan N, et al. (2025) Human Papillomavirus Integration Induces Oncogenic Host Gene Fusions in Oropharyngeal Cancers. Cancer discovery, 15(9), 1927.

Fnu T, et al. (2025) Sympathetic Neurons Promote Small Cell Lung Cancer through the ??2-Adrenergic Receptor. Cancer discovery, 15(3), 616.

Temple H, et al. (2024) Specific binding sites on Rhesus rotavirus capsid protein dictate the method of endocytosis inducing the murine model of biliary atresia. American journal of physiology. Gastrointestinal and liver physiology, 327(2), G267.

Muccilli V, et al. (2024) Green3: A green extraction of green additives for green plastics. Heliyon, 10(2), e24469.

Jiao M, et al. (2024) Targeting Catechol-O-Methyltransferase Induces Mitochondrial Dysfunction and Enhances the Efficacy of Radiotherapy in Glioma. Cancer research,

84(21), 3640.

Yan HF, et al. (2024) Cell density impacts the susceptibility to ferroptosis by modulating IRP1-mediated iron homeostasis. Journal of neurochemistry, 168(7), 1359.

Sunshine HL, et al. (2024) Endothelial Jagged1 levels and distribution are post-transcriptionally controlled by ZFP36 decay proteins. Cell reports, 43(1), 113627.

Li L, et al. (2023) Bilirubin impacts microglial autophagy via the Akt-mTOR signaling pathway. Journal of neurochemistry, 167(4), 582.

Johnson CW, et al. (2022) Regulation of GTPase function by autophosphorylation. Molecular cell, 82(5), 950.

Mohammed JN, et al. (2022) FLAMBE: A kinetic fluorescence polarization assay to study activation of monomeric BAX. STAR protocols, 3(2), 101252.

Berton S, et al. (2022) A selective PPM1A inhibitor activates autophagy to restrict the survival of Mycobacterium tuberculosis. Cell chemical biology, 29(7), 1126.

Shen Y, et al. (2022) BMAL1 modulates smooth muscle cells phenotypic switch towards fibroblast-like cells and stabilizes atherosclerotic plaques by upregulating YAP1. Biochimica et biophysica acta. Molecular basis of disease, 1868(9), 166450.

Petrilli LL, et al. (2022) Inter and intra-tumor heterogeneity of paediatric type diffuse high-grade gliomas revealed by single-cell mass cytometry. Frontiers in oncology, 12, 1016343.

Osuna BA, et al. (2020) Listeria Phages Induce Cas9 Degradation to Protect Lysogenic Genomes. Cell host & microbe, 28(1), 31.

Osuna BA, et al. (2020) Critical Anti-CRISPR Locus Repression by a Bi-functional Cas9 Inhibitor. Cell host & microbe, 28(1), 23.