

Resource Summary Report

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Thermo Fisher: Applied Biosystems: 7500 Real-Time PCR System

RRID:SCR_018051

Type: Tool

Proper Citation

Thermo Fisher: Applied Biosystems: 7500 Real-Time PCR System (RRID:SCR_018051)

Resource Information

URL: <https://www.thermofisher.com/us/en/home/life-science/pcr/real-time-pcr/real-time-pcr-instruments/7500-fast-real-time-pcr-system.html>

Proper Citation: Thermo Fisher: Applied Biosystems: 7500 Real-Time PCR System (RRID:SCR_018051)

Description: Real-time PCR system that performs high performance, multicolor real-time PCR. Has five color platform that is calibrated for broadest range of dyes available: FAM, SYBR Green I, VIC, JOE, NED, TAMRA, Cy3, ROX, Texas Red, and Cy5 dyes. Thermal cycling block is built to reduce environmental exposure and contamination risk.

Synonyms: AB 7500 Fast Real-time PCR System

Resource Type: instrument resource

Keywords: ABRF, PCR, Real-Time PCR, instrument, equipment

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018051.pdf

Resource Name: Thermo Fisher: Applied Biosystems: 7500 Real-Time PCR System

Resource ID: SCR_018051

Alternate IDs: Model_Number_7500

Alternate URLs: <https://assets.thermofisher.com/TFS-Assets/LSG/manuals/4387777d.pdf>

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Ratings and Alerts

No rating or validation information has been found for Thermo Fisher: Applied Biosystems: 7500 Real-Time PCR System.

No alerts have been found for Thermo Fisher: Applied Biosystems: 7500 Real-Time PCR System.

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 [RRID](#) .

Eme-Scolan E, et al. (2026) Remodeling of skull bone channels regulates immune infiltration into the meninges during neuroinflammation. *Immunity*, 59(1), 116.

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. *bioRxiv : the preprint server for biology*.

Karunaraj P, et al. (2025) A Hotspot Phosphorylation Site on SHP2 Drives Oncoprotein Activation and Drug Resistance. *Research square*.

Wannakul T, et al. (2025) Loss of fatty acid-binding protein 7 promotes B16F10 melanoma metastasis. *Scientific reports*, 15(1), 10495.

Lin GT, et al. (2025) Combining Apatinib and Oxaliplatin Remodels the Immunosuppressive Tumor Microenvironment and Sensitizes Desert-Type Gastric Cancer to Immunotherapy. *Cancer research*, 85(11), 2117.

Chen T, et al. (2024) Enhancing hepatoprotective action: oxyberberine amorphous solid dispersion system targeting TLR4. *Scientific reports*, 14(1), 14924.

Fujikawa R, et al. (2024) Inhibition of reactive oxygen species production accompanying alternatively activated microglia by risperidone in a mouse ketamine model of schizophrenia. *Journal of neurochemistry*, 168(9), 2690.

French SK, et al. (2024) Honey bee stressor networks are complex and dependent on crop and region. *Current biology : CB*, 34(9), 1893.

Perez-Aranda A, et al. (2024) Expression analysis of defense signaling marker genes in *Capsicum annuum* in response to phytohormones elicitation. *Molecular biology reports*, 52(1), 9.

Huang L, et al. (2023) Silencing LncRNA SNHG16 suppresses the diabetic inflammatory response by targeting the miR-212-3p/NF- κ B signaling pathway. *Diabetology & metabolic syndrome*, 15(1), 119.

Omar A, et al. (2023) Epigenetic regulation in colorectal cancer: The susceptibility of microRNAs 145, 143 and 133b to DNA demethylation and histone deacetylase inhibitors. PloS one, 18(8), e0289800.

Li YK, et al. (2023) Metabotropic glutamate receptor 5-mediated inhibition of inward-rectifying K⁺ channel 4.1 contributes to orofacial ectopic mechanical allodynia following inferior alveolar nerve transection in male mice. Journal of neuroscience research, 101(7), 1170.

Lin CW, et al. (2023) Light activates Ube3a, an Angelman syndrome-associated gene, by mediating the chromatin structures during postnatal development of mouse retina. Journal of neurochemistry, 167(6), 766.

Wabel E, et al. (2023) Chemerin is resident to vascular tunics and contributes to vascular tone. American journal of physiology. Heart and circulatory physiology, 325(1), H172.

Oguma Y, et al. (2022) Single-cell RNA sequencing reveals different signatures of mesenchymal stromal cell pluripotent-like and multipotent populations. iScience, 25(11), 105395.

Orr A, et al. (2022) Divergence of Chemerin Reduction by an AT5R Nanoparticle Targeting Adipose Tissue In Vitro vs. In Vivo in the Rat. Biomedicine, 10(7).

Errington TM, et al. (2021) Experiments from unfinished Registered Reports in the Reproducibility Project: Cancer Biology. eLife, 10.

Bae HJ, et al. (2020) The effect of maslinic acid on cognitive dysfunction induced by cholinergic blockade in mice. British journal of pharmacology, 177(14), 3197.

Rijo-Ferreira F, et al. (2020) Sleeping Sickness Disrupts the Sleep-Regulating Adenosine System. The Journal of neuroscience : the official journal of the Society for Neuroscience, 40(48), 9306.