

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://www.fdi-lab.org) on Apr 1, 2025

Applied Biosystems 7500 Real-Time PCR System

RRID:SCR_018051

Type: Tool

Proper Citation

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: 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

Funding:

Resource Name: 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>

Record Creation Time: 20220129T080338+0000

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Ratings and Alerts

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

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

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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.

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.

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 ATS9R Nanoparticle Targeting Adipose Tissue In Vitro vs. In Vivo in the Rat. *Biomedicines*, 10(7).

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

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.

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.