

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>

Record Creation Time: 20220129T080338+0000

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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 24 mentions in open access literature.

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

Xie Z, et al. (2026) The association of Alzheimer's disease-related SNPs with mild cognitive impairment susceptibility in the Chinese population. *Scientific reports*, 16(1), 6438.

Karunaraj P, et al. (2026) A hotspot phosphorylation site on SHP2 drives oncoprotein activation and drug resistance. *Nature communications*, 17(1).

Sandoval TA, et al. (2026) Chemoradiation Reprograms Tumor Cells and the Immune Microenvironment in Cervical Cancer. *Cancer research*, 86(7), 1639.

Nair MS, et al. (2026) Antiviral activity of non-neutralizing antibodies during steady-state HIV-1 infection in humanized mice. *iScience*, 29(7), 116632.

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

Goel T, et al. (2026) Disruption of chrna5 blunts aversion and adaptive transcriptomic responses to nicotine and alcohol. *iScience*, 29(2), 114735.

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

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

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.

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

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.

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.

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).