

Resource Summary Report

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Thermo Fisher: Life Technologies: QuantStudio 7 Real Time PCR System

RRID:SCR_020245

Type: Tool

Proper Citation

Thermo Fisher: Life Technologies: QuantStudio 7 Real Time PCR System
(RRID:SCR_020245)

Resource Information

URL: <https://www.thermofisher.com/order/catalog/product/4485701#/4485701>

Proper Citation: Thermo Fisher: Life Technologies: QuantStudio 7 Real Time PCR System (RRID:SCR_020245)

Description: Applied Biosystems QuantStudio 7 Flex Real-Time PCR System advances your research further by enabling a broad range of real-time PCR-based applications through its multiplexing capabilities and interchangeable block formats. With a simplified workflow, software, automation capabilities, and touch-screen interface, the QuantStudio 7 Flex system offers reproducibility with minimal well-to-well and instrument-to-instrument variation.

Resource Type: instrument resource

Keywords: Life Technologies, Real Time PCR System, Instrument Equipment, USEdit

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_020245.pdf

Resource Name: Thermo Fisher: Life Technologies: QuantStudio 7 Real Time PCR System

Resource ID: SCR_020245

Alternate IDs: Model_Number_QuantStudio 7

Record Creation Time: 20220129T080349+0000

Record Last Update: 20260801T190654+0000

Ratings and Alerts

No rating or validation information has been found for Thermo Fisher: Life Technologies: QuantStudio 7 Real Time PCR System.

No alerts have been found for Thermo Fisher: Life Technologies: QuantStudio 7 Real Time PCR 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](#).

Murao N, et al. (2025) Pyruvate kinase modulates the link between β -cell fructose metabolism and insulin secretion. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(7), e70500.

Sui S, et al. (2025) circ-EGFR is a predictor of response to Cetuximab and a potential target in colorectal cancer. EMBO molecular medicine, 17(12), 3525.

Zhou S, et al. (2025) Indole-3-lactic acid suppresses colorectal cancer via metabolic reprogramming. Gut microbes, 17(1), 2508949.

Bischoff ME, et al. (2025) Copper Drives Remodeling of Metabolic State and Progression of Clear Cell Renal Cell Carcinoma. Cancer discovery, 15(2), 401.

Secic D, et al. (2025) Dynamic assessment of the allocation of copper to cytochrome c oxidase using size-exclusion chromatography (SEC) combined with inductively coupled plasma mass spectrometry (ICP-MS). bioRxiv : the preprint server for biology.

Murao N, et al. (2025) β -Adrenergic Blockers Increase cAMP and Stimulate Insulin Secretion Through a PKA/RYR2/TRPM5 Pathway in Pancreatic β -Cells In Vitro. Pharmacology research & perspectives, 13(2), e70092.

Thomas JM, et al. (2025) Apolipoprotein C3 Promotes Angiogenesis in an Inflammatory Mouse Model of Peripheral Artery Disease. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(18), e71058.

Gong X, et al. (2025) Adaptation to Volumetric Compression Drives an Apoptosis-Resistant and Invasive Phenotype in Liver Cancer. Cancer research, 85(16), 3156.

Yang X, et al. (2025) METTL14 integrates tumor-derived SAM to drive parabrachial epigenetic rewiring in pancreatic cancer. Neuron.

Köppe H, et al. (2025) Scratching in style: 3D printers as plotters for automated and complex wound-healing assays. *iScience*, 28(12), 114230.

Ahn JJ, et al. (2025) Coupling IL-2 with IL-10 to mitigate toxicity and enhance antitumor immunity. *Cell reports. Medicine*, 6(8), 102257.

Murao N, et al. (2025) Intestinal fructose metabolism triggers a glucagon-like peptide-1-?-cell axis to prevent post-fructose hyperglycaemia. *The Journal of physiology*, 603(22), 6833.

Fletcher EV, et al. (2025) Pharmacological targeting and characterization of Voltage-Gated Sodium Channels (VGSCs) expressed in the high-grade glioma microenvironment. *BMC cancer*, 26(1), 39.

Mogol AN, et al. (2025) ACSS2-Mediated Metabolic-Epigenetic Crosstalk Drives Fulvestrant Resistance and Represents a Novel Therapeutic Target. *bioRxiv : the preprint server for biology*.

Kim AS, et al. (2024) Temporal patterns of osteoclast formation and activity following withdrawal of RANKL inhibition. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 39(4), 484.

Lin K, et al. (2024) Disrupted methionine cycle triggers muscle atrophy in cancer cachexia through epigenetic regulation of REDD1. *Cell metabolism*.

Murao N, et al. (2024) Sildenafil amplifies calcium influx and insulin secretion in pancreatic ? cells. *Physiological reports*, 12(11), e16091.

Yoshino Y, et al. (2024) Phosphate overload via the type III Na-dependent Pi transporter represses aortic wall elastic fiber formation. *Fujita medical journal*, 10(4), 87.

Glottfelty EJ, et al. (2023) The RhoA-ROCK1/ROCK2 Pathway Exacerbates Inflammatory Signaling in Immortalized and Primary Microglia. *Cells*, 12(10).

Liou GY, et al. (2023) Inflammatory and alternatively activated macrophages independently induce metaplasia but cooperatively drive pancreatic precancerous lesion growth. *iScience*, 26(6), 106820.