

# 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](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:** 20260808T190139+0000

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 37 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

Chelslín F, et al. (2026) Placental abundances of IGF1, IGF2, IGFBP2, IGF2R, and PPAR  $\gamma$  are associated with birth weight. *Journal of the Endocrine Society*, 10(7), bvag130.

Di Pierdomenico C, et al. (2026) Prenatal Methyl Nutrient Availability Shapes Mesolimbic Dopaminergic Circuitry and Systemic Inflammation in Wistar Rat Offspring of Both Sexes. *Journal of neurochemistry*, 170(5), e70468.

Secic D, et al. (2026) 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). *The Journal of biological chemistry*, 302(4), 111278.

O'Callaghan B, et al. (2026) Glucose concentration of neuronal media formulations influences PINK1-dependent mitophagy in human iNeurons. *Autophagy reports*, 5(1), 2685472.

Jeffries MA, et al. (2026) Exposure to Frontline Antiretroviral Dolutegravir Disrupts Oligodendrocyte Development Across Differentiation Stages. *ASN neuro*, 18(1), 2647877.

Qasem H, et al. (2026) Cell-Penetrating Peptide-Mediated siRNA Targeting of LDHC Suppresses Tumor Growth in a Triple-Negative Breast Cancer Zebrafish Xenograft Model. *Pharmaceutics*, 18(1).

Mesquita M, et al. (2026) Hypomorphic biliverdin reductase a mutations define bilirubin anti-malarial threshold. *iScience*, 29(6), 115958.

Chatterjee E, et al. (2026) Autophagy-lysosomal dependency defines a vulnerable physiological state in drug-tolerant persister cells of triple-negative breast cancer. *Apoptosis : an international journal on programmed cell death*, 31(5).

Zhang K, et al. (2026) Zinc Finger Protein 143 Promotes Endometriotic Lesion Growth and Fibrosis through the Plasminogen Activator Inhibitor-1 Pathway. *The American journal of pathology*.

Ma J, et al. (2026) Alcohol-Induced Metabolic Stress Sensed by m6A-Modified ChREBP Drives Immune Evasion in Esophageal Carcinogenesis. *Cancer research*.

Chatterjee E, et al. (2026) The HDAC Inhibitor RM-3-22 Suppresses Triple-Negative Breast Cancer by Uncoupling Autophagy to Drive FSP1-Dependent Ferroptosis. *Translational research : the journal of laboratory and clinical medicine*, 295, 95.

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.

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.

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

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

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.

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)  $\beta$ -Adrenergic Blockers Increase cAMP and Stimulate Insulin Secretion Through a PKA/RYR2/TRPM5 Pathway in Pancreatic  $\beta$ -Cells In Vitro. *Pharmacology research & perspectives*, 13(2), e70092.

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