

Resource Summary Report

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Roche: LightCycler 480 Real Time PCR System

RRID:SCR_018626

Type: Tool

Proper Citation

Roche: LightCycler 480 Real Time PCR System (RRID:SCR_018626)

Resource Information

URL: <https://lifescience.roche.com/global/en/article-listing/article/lightcycler-480-system-technology.html>

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Description: System includes: LightCycler 480 instrument which is real-time PCR device, allowing the use of additional thermal block cycler units (96-well and 384-well format) with the system; LightCycler 480 Software which provides intuitive, easy-to-navigate user interface for real-time PCR programming, data capture, and data analysis to study gene expression and genetic variation. LightCycler 480 II represents newer generation of the same real-time PCR system, with improved features like enhanced optics for more uniform plate analysis across all wells, potentially leading to increased accuracy and consistency in data collection compared to original LightCycler 480.

Synonyms: , Roche LightCycler 480 II Real Time PCR System, LightCycler 480 Real-Time PCR System

Resource Type: instrument resource

Keywords: Real Time PCR System, Instrument, Equipment, USEDit, Roche, ABRF

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018626.pdf

Resource Name: Roche: LightCycler 480 Real Time PCR System

Resource ID: SCR_018626

Alternate IDs: SCR_020502, Model_Number_LightCycler_480

Alternate URLs: https://plantbio.okstate.edu/images/pdfs/Roche_RT-PCR_Manual.pdf

Old URLs: https://www.lifescience.roche.com/en_us/products/lightcycler14301-480-block-kit-384-silver.html

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Ratings and Alerts

No rating or validation information has been found for Roche: LightCycler 480 Real Time PCR System.

No alerts have been found for Roche: LightCycler 480 Real Time PCR System.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 39 mentions in open access literature.

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

Go??biewski M, et al. (2025) Random mechanisms govern bacterial succession in bioinoculated beet plants. Scientific reports, 15(1), 10734.

Nita A, et al. (2025) FGFR2 residence in primary cilia is necessary for epithelial cell signaling. The Journal of cell biology, 224(7).

Li H, et al. (2025) Development of xanthone derivatives as effective broad-spectrum antimicrobials: Disrupting cell wall and inhibiting DNA synthesis. Science advances, 11(10), eadt4723.

Puzio-Kuter AM, et al. (2025) Restoration of the Tumor Suppressor Function of Y220C-Mutant p53 by Rezatapopt, a Small-Molecule Reactivator. Cancer discovery, 15(6), 1159.

Kim HJ, et al. (2025) Comparison of Anticancer Effects of Histone Deacetylase Inhibitors CG-745 and Suberoylanilide Hydroxamic Acid in Non-small Cell Lung Cancer. Tuberculosis and respiratory diseases, 88(2), 342.

Xu SB, et al. (2025) KPNA3 regulates histone locus body formation by modulating condensation and nuclear import of NPAT. The Journal of cell biology, 224(1).

Vogt CD, et al. (2025) Efficient wet-spinning of pre-aligned microtissues for 3D bioprinting complex tissue alignment. Biofabrication, 17(3).

Palatella M, et al. (2025) Acsbg1 regulates differentiation and inflammatory properties of CD4+ T cells. European journal of microbiology & immunology, 15(1), 21.

Wolff C, et al. (2025) Insulin and leptin acutely modulate the energy metabolism of primary hypothalamic and cortical astrocytes. Journal of neurochemistry, 169(1), e16211.

Markusson S, et al. (2025) Nanobodies against the myelin enzyme CNPase as tools for structural and functional studies. *Journal of neurochemistry*, 169(1), e16274.

Oza D, et al. (2025) Treatment of Acute Liver Injury through Selective Tropism of High Mobility Group Box 1 Gene-Silenced Large Peritoneal Macrophages. *ACS nano*, 19(12), 12102.

Nayak PK, et al. (2025) Transcriptome profiling of tendon fibroblasts at the onset of embryonic muscle contraction reveals novel force-responsive genes. *eLife*, 14.

Wang W, et al. (2025) FBXW5 Promotes Epithelial-Mesenchymal Transition in Lung Adenocarcinoma Through the KLF13/TROAP Signaling Pathway. *Molecular carcinogenesis*.

Zhang Y, et al. (2025) Deprivation of EGFR signal causes senolysis in PDAC with CDK4/6 inhibition. *Cell death and differentiation*.

Nuytens L, et al. (2025) Unraveling mitochondrial pyruvate dysfunction to mitigate hyperlactatemia and lethality in sepsis. *Cell reports*, 44(8), 116032.

Zhu W, et al. (2025) Modulation of glucocorticoid receptor function under iron overload. *Frontiers in immunology*, 16, 1605420.

Lamichhane A, et al. (2025) Targeting CAFs-Mediated Stromal Signaling in a Patient-Derived Organotypic Colorectal Tumor Model. *Molecular cancer therapeutics*, 24(8), 1265.

Hayashi Y, et al. (2025) Glial cells missing 1 triggers gliosis and angiogenesis after neonatal brain injury. *iScience*, 28(11), 113860.

Yang JH, et al. (2025) DDAH1 Promotes Cisplatin Chemoresistance in Patients with Locally Advanced Nasopharyngeal Carcinoma via the EGFR-JAK2-STAT3 Pathway. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(30), e03647.

Yin Y, et al. (2024) ASGR1 is a promising target for lipid reduction in pigs with PON2 as its inhibitor. *iScience*, 27(7), 110288.