

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 50 mentions in open access literature.

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

Mrkacek M, et al. (2026) ORMDL Proteins Turnover via Proteasome and Autophagy Is Cell-Type Dependent and Tied to Ceramide Homeostasis. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 40(6), e71655.

Grace E, et al. (2026) Metabolic plasticity and optimal redox homeostasis are essential for efficient metastatic colonization. Molecular metabolism, 109, 102382.

He S, et al. (2026) 14,15-epoxyeicosatrienoic acid drives intestinal adenoma growth and its value as an early biomarker for intestinal adenoma occurrence. Oncogenesis, 15(1).

Rahaman S, et al. (2026) Protocol for quantifying silent ribosome induction in yeast and mammalian cells using polysome profiling. STAR protocols, 7(2), 104447.

Nelson MC, et al. (2026) MicroRNA-146a Protects against Hepatocellular Carcinoma through Suppression of CCL5. Cancer research communications, 6(2), 359.

Porschen LT, et al. (2026) Circulating sphingosine-1-phosphate depletion is associated with endothelial activation and altered brain-endothelial S1P pathway expression in ischemic stroke. Fluids and barriers of the CNS, 23(1).

Kafka E, et al. (2026) TCA cycle rewiring underpins histone acetylation sourcing and cell-fate transitions during exit from naive pluripotency. Cell stem cell, 33(5), 820.

Wang Q, et al. (2026) Serglycin Drives LAG3+ Treg Differentiation and Immunosuppression in Gastric Cancer. Cancer research, 86(10), 2395.

Weng JH, et al. (2026) Polyglutamine homorepeat regulates Runx2 condensation and cellular localization in a KPNA3-dependent manner. Cell reports, 45(4), 117205.

- Cao D, et al. (2026) Mutant KRAS Suppresses DNA Sensing by Remodeling Membrane Tension to Clear Extracellular Tumor DNA. *Cancer research*, 86(14), 3394.
- Wang D, et al. (2026) Intratumoral bicarbonate functions as an adjuvant to potentiate PD-1 blockade in hepatocellular carcinoma. *Oncogene*, 45(27), 2683.
- 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.
- Zhang Y, et al. (2025) Deprivation of EGFR signal causes senolysis in PDAC with CDK4/6 inhibition. *Cell death and differentiation*.
- 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.
- 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.
- Nayak PK, et al. (2025) Transcriptome profiling of tendon fibroblasts at the onset of embryonic muscle contraction reveals novel force-responsive genes. *eLife*, 14.
- Markusson S, et al. (2025) Nanobodies against the myelin enzyme CNPase as tools for structural and functional studies. *Journal of neurochemistry*, 169(1), e16274.