Resource Summary Report

Generated by <u>NIF</u> on May 18, 2025

Bio-Rad CFX384 Real-Time Detection System

RRID:SCR_018057 Type: Tool

Proper Citation

Bio-Rad CFX384 Real-Time Detection System (RRID:SCR_018057)

Resource Information

URL: <u>https://www.bio-rad.com/en-us/product/cfx384-touch-real-time-pcr-detection-</u> system?ID=LJB22YE8Z

Proper Citation: Bio-Rad CFX384 Real-Time Detection System (RRID:SCR_018057)

Description: Real Time PCR instrument in 384-well format that performs high-throughput data acquisition. System utilizes temperature control and sensitive, 4-color detection optics to deliver qPCR results for singleplex or multiplex reactions. Quickly set up runs and monitor amplification traces in real time on integrated LCD touch screen, or use CFX Maestro Software to design experiment and analyze results from connected computer.

Synonyms: Bio-Rad CFX384 Real-Time System

Resource Type: instrument resource

Keywords: ABRF, Real-Time Instrument, RT PCR, equipment, Bio Rad

Funding:

Resource Name: Bio-Rad CFX384 Real-Time Detection System

Resource ID: SCR_018057

Alternate IDs: Model_Number_CFX384

Alternate URLs: https://www.bio-rad.com/webroot/web/pdf/lsr/literature/Bulletin_5639C.pdf

Record Creation Time: 20220129T080338+0000

Record Last Update: 20250422T060043+0000

Ratings and Alerts

No rating or validation information has been found for Bio-Rad CFX384 Real-Time Detection System.

No alerts have been found for Bio-Rad CFX384 Real-Time Detection System.

Data and Source Information

Source: <u>SciCrunch Registry</u>

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Zehetbauer F, et al. (2025) Transcriptional memory drives accelerated re-activation of several biosynthetic gene clusters in Aspergillus nidulans. Microbiological research, 291, 127981.

McDaniel JM, et al. (2024) p53R172H and p53R245W Hotspot Mutations Drive Distinct Transcriptomes in Mouse Mammary Tumors Through a Convergent Transcriptional Mediator. Cancer research communications, 4(8), 1991.

Ruiz-Gabarre D, et al. (2024) Intron retention as a productive mechanism in human MAPT: RNA species generated by retention of intron 3. EBioMedicine, 100, 104953.

Narayanan R, et al. (2024) miRNA-mediated inhibition of an actomyosin network in hippocampal pyramidal neurons restricts sociability in adult male mice. Cell reports, 43(7), 114429.

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

Lopes-Paciencia S, et al. (2024) A senescence restriction point acting on chromatin integrates oncogenic signals. Cell reports, 43(4), 114044.

Hosseinzadeh L, et al. (2024) The androgen receptor interacts with GATA3 to transcriptionally regulate a luminal epithelial cell phenotype in breast cancer. Genome biology, 25(1), 44.

Xue CY, et al. (2023) Hippocampus Insulin Receptors Regulate Episodic and Spatial Memory Through Excitatory/Inhibitory Balance. ASN neuro, 15, 17590914231206657.

Xu HK, et al. (2023) Region-specific sympatho-adrenergic regulation of specialized vasculature in bone homeostasis and regeneration. iScience, 26(9), 107455.

Pires VB, et al. (2023) RNA-DNA hybrids prevent resection at dysfunctional telomeres. Cell reports, 42(2), 112077.

Ohara Y, et al. (2023) SERPINB3-MYC axis induces the basal-like/squamous subtype and enhances disease progression in pancreatic cancer. Cell reports, 42(12), 113434.

Guo Y, et al. (2023) Down-regulating nuclear factor of activated T cells 1 alleviates cognitive deficits in a mouse model of sepsis-associated encephalopathy, possibly by stimulating hippocampal neurogenesis. Brain research, 1826, 148731.

Vidak S, et al. (2023) Activation of endoplasmic reticulum stress in premature aging via the inner nuclear membrane protein SUN2. Cell reports, 42(5), 112534.

Dressel N, et al. (2023) Activation of the cGAS/STING Axis in Genome-Damaged Hematopoietic Cells Does Not Impact Blood Cell Formation or Leukemogenesis. Cancer research, 83(17), 2858.

Steffan B, et al. (2023) Comparing Effects of Short- and Long-Term Exposure of Cigarette Smoke Extract on Human Vocal Fold Fibroblasts. Journal of voice : official journal of the Voice Foundation.

Leung ZCL, et al. (2022) Free fatty acid treatment of mouse preimplantation embryos demonstrates contrasting effects of palmitic acid and oleic acid on autophagy. American journal of physiology. Cell physiology, 322(5), C833.

Gu X, et al. (2022) Gut Ruminococcaceae levels at baseline correlate with risk of antibioticassociated diarrhea. iScience, 25(1), 103644.

Baron DM, et al. (2022) ALS-associated KIF5A mutations abolish autoinhibition resulting in a toxic gain of function. Cell reports, 39(1), 110598.

Bourgery M, et al. (2021) Multiple targets identified with genome wide profiling of small RNA and mRNA expression are linked to fracture healing in mice. Bone reports, 15, 101115.