

Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

Opticon Monitor Software

RRID:SCR_014241

Type: Tool

Proper Citation

Opticon Monitor Software (RRID:SCR_014241)

Resource Information

URL: <http://www.bio-rad.com/en-us/sku/soft-om-sw-opticon-monitor-software>

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Description: Software which controls all operations in the experimental setup, data acquisition and monitoring, and data analysis stages of the Bio-Rad Opticon 2 system. In the experimental setup stage, setup and programming operations are accessed from the Master File window. The master file consists of a plate file, which specifies the parameters of the plate, and a protocol file, which specifies the experimental conditions. After a plate and a protocol setup have been created or selected, a run can be initiated, which begins the data acquisition and monitoring stage. Data collection can be monitored during the run by viewing a plot of fluorescence intensity vs. cycle number. In the data analysis stage, data can be analyzed using the Quantitation, Melting Curve, and/or Analysis windows. The window used depends on the type of data being collected.

Resource Type: software resource, software application

Keywords: machine software, operational control, software application, experimental setup, data acquisition, data monitoring, data analysis

Availability: Must log in to access software download

Resource Name: Opticon Monitor Software

Resource ID: SCR_014241

Alternate URLs: http://www.bio-rad.com/webroot/web/pdf/lsr/literature/Bulletin_07218.pdf

License URLs: <http://www.bio-rad.com/en-us/site-terms>

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260813T055055+0000

Ratings and Alerts

No rating or validation information has been found for Opticon Monitor Software.

No alerts have been found for Opticon Monitor Software.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

Chen C, et al. (2020) Mechanisms underlying the inhibitory effects of probucol on elastase-induced abdominal aortic aneurysm in mice. *British journal of pharmacology*, 177(1), 204.

Hoellein TJ, et al. (2019) Microplastic deposition velocity in streams follows patterns for naturally occurring allochthonous particles. *Scientific reports*, 9(1), 3740.

Koliaraki V, et al. (2019) Innate Sensing through Mesenchymal TLR4/MyD88 Signals Promotes Spontaneous Intestinal Tumorigenesis. *Cell reports*, 26(3), 536.

Eaton K, et al. (2018) Replication Study: Intestinal inflammation targets cancer-inducing activity of the microbiota. *eLife*, 7.

Shan X, et al. (2017) Replication Study: Inhibition of BET recruitment to chromatin as an effective treatment for MLL-fusion leukaemia. *eLife*, 6.

Li P, et al. (2016) Hematopoietic-Derived Galectin-3 Causes Cellular and Systemic Insulin Resistance. *Cell*, 167(4), 973.

Heffernan SM, et al. (2016) Association of ACTN3 R577X but not ACE I/D gene variants with elite rugby union player status and playing position. *Physiological genomics*, 48(3), 196.

Molloy JC, et al. (2016) Wolbachia Modulates Lipid Metabolism in *Aedes albopictus* Mosquito Cells. *Applied and environmental microbiology*, 82(10), 3109.

Fung JJ, et al. (2015) Registered report: Inhibition of BET recruitment to chromatin as an effective treatment for MLL-fusion leukemia. *eLife*, 4.

Lepelley A, et al. (2011) Innate sensing of HIV-infected cells. *PLoS pathogens*, 7(2), e1001284.

Chen RX, et al. (2010) Transcription factor c-Myb promotes the invasion of hepatocellular carcinoma cells via increasing osteopontin expression. *Journal of experimental & clinical cancer research : CR*, 29(1), 172.

Liang MH, et al. (2008) Lithium inhibits Smad3/4 transactivation via increased CREB activity induced by enhanced PKA and AKT signaling. *Molecular and cellular neurosciences*, 37(3), 440.

Tai SL, et al. (2007) Correlation between transcript profiles and fitness of deletion mutants in anaerobic chemostat cultures of *Saccharomyces cerevisiae*. *Microbiology (Reading, England)*, 153(Pt 3), 877.

Decalf J, et al. (2007) Plasmacytoid dendritic cells initiate a complex chemokine and cytokine network and are a viable drug target in chronic HCV patients. *The Journal of experimental medicine*, 204(10), 2423.