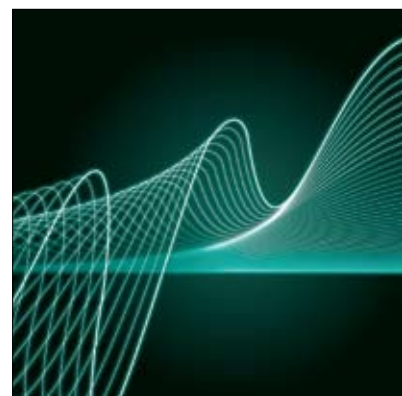


## Real-Time PCR: CFX384™ Real-Time PCR Detection System



## Designed for the Way You Work

The CFX384 real-time PCR detection system brings flexibility and ease of use to researchers performing high-throughput real-time PCR in a 384-well format. With the ability to run without a computer, unsurpassed performance, and powerful, yet easy-to-use software, the CFX384 system has been designed for the way you work.

The CFX384 real-time PCR detection system makes it easy for you to:

- Rely on performance — the optical system uses long-lasting solid-state technology with filtered LEDs and filtered photodiodes for precise quantitation and target discrimination
- Conserve your samples and reagents — perform 4-target multiplex reactions with optimal quantitative results, using sample volumes as low as 3  $\mu$ l
- Configure the system to fit your laboratory needs — run the CFX384 in several control configurations, including integrating it in your automation system
- Streamline your data analysis — CFX Manager™ software lets you perform gene expression analysis using multiple reference genes and individual reaction efficiencies
- Trust your results — integrate the CFX384 real-time PCR detection system with CFX Manager software, Security Edition to be compliant with U.S. FDA 21 CFR Part 11 regulations

For more information, visit us on the Web at [www.bio-rad.com/pcr/](http://www.bio-rad.com/pcr/).



## Redefining Innovation

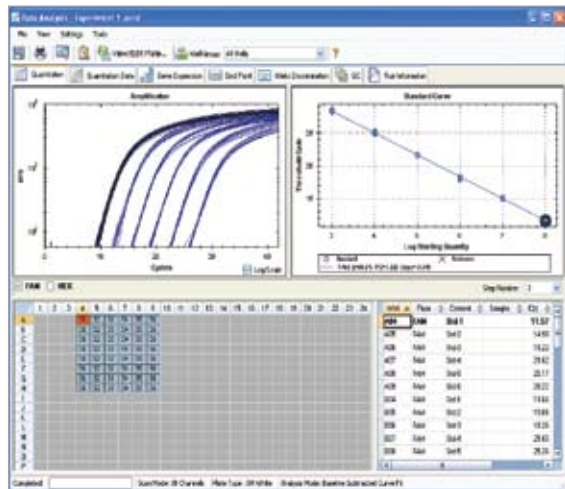
The CFX384 system incorporates innovative optical technologies with the C1000™ thermal cycler, to deliver the most sensitive, reliable detection for real-time PCR applications, including absolute quantitation, genetic variation analysis, and gene expression.

- System reads each well individually with high sensitivity and no cross talk to deliver optimal quantitative results
- Several control configurations are available for experiments — run a stand-alone system with no computer or up to 4 instruments from 1 computer
- Multiple data acquisition modes let a run be tailored to suit any application
- Compact design fits any laboratory setting

## CFX Manager Software

CFX Manager software, which runs on a PC, provides numerous features and tools to streamline data management, from experiment setup to analysis. Enter or edit well information on your own time — before, during, or after a run. When data are in hand, use the advanced data modules to take the guesswork out of analyzing results.

- Apply user preference settings to customize the software for experiment setup and data analysis
- Use the Well Groups feature to analyze multiple experiments from a single plate
- Employ the email feature to send data files to your email from the software or from the system
- Analyze results from a number of gene expression experiments without having to export data



CFX Manager software data analysis module.

## Ordering Information

Catalog #	Description
185-5384	<b>CFX384 Real-Time PCR Detection System</b> , includes C1000 thermal cycler chassis, CFX384 optical reaction module, CFX Manager software, communication cable, power cord, reagent and consumable samples, instructions
184-5384	<b>CFX384 Optical Reaction Module</b> , includes CFX Manager software, communication cable, reagent and consumable samples, instructions. Order to upgrade an existing C1000 thermal cycler.
184-5001	<b>CFX Manager Software, Security Edition</b> , includes 1 user license, installation CD, HASP HL key, instructions
184-5005	<b>CFX Manager Software, Security Edition</b> , includes 5 user licenses, 5 installation CDs, 5 HASP HL keys, instructions
170-8862	<b>iQ™ Supermix</b> , 500 x 50 µl reactions, 2x mix contains 100 mM KCl, 40 mM Tris-HCl, pH 8.4, 0.4 mM each dNTP (dATP, dCTP, dGTP, dTTP), 50 U/ml iTaq™ DNA polymerase, 6 mM MgCl <sub>2</sub> , stabilizers
170-8882	<b>iQ™ SYBR® Green Supermix</b> , 500 x 50 µl reactions, 2x mix contains 100 mM KCl, 40 mM Tris-HCl, pH 8.4, 0.4 mM each dNTP (dATP, dCTP, dGTP, dTTP), 50 U/ml iTaq DNA polymerase, 6 mM MgCl <sub>2</sub> , SYBR® Green I, 20 nM fluorescein, stabilizers
170-8891	<b>iScript™ cDNA Synthesis Kit</b> , 100 x 20 µl reactions, includes 5x iScript reaction mix, iScript reverse transcriptase, nuclease-free water
HSP-3805	<b>Hard-Shell® Thin-Wall 384-Well Skirted PCR Plates</b> , clear shell, white well, 50
MSB-1001	<b>Microseal® 'B' Adhesive Seals</b> , 100

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Purchase of this instrument conveys a limited non-transferable immunity from suit for the purchaser's own internal research and development and for use in applied fields other than Human In Vitro Diagnostics under one or more of U.S. Patents Nos. 5,656,493, 5,333,675, 5,475,610 (claims 1, 44, 158, 160–163 and 167 only), and 6,703,236 (claims 1–7 only), or corresponding claims in their non-U.S. counterparts, owned by Applied Biosystems. No right is conveyed expressly, by implication or by estoppel under any other patent claim, such as claims to apparatus, reagents, kits, or methods such as 5' nuclease methods. Further information on purchasing licenses may be obtained by contacting the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404, USA.

Bio-Rad's CFX384 real-time thermal cycler is a licensed real-time thermal cycler under Applied's United States Patent No. 6,814,934 B1 for use in research and for all other fields except the fields of human diagnostics and veterinary diagnostics.

The CFX384 real-time PCR detection system is covered by one or more of the following U.S. patents or their foreign counterparts owned by Eppendorf AG: U.S. Patent Nos. 6,767,512 and 7,074,367.

Practice of the patented 5' Nuclease Process requires a license from Applied Biosystems. The purchase of these products includes an immunity from suit under patents specified in the product insert to use only the amount purchased for the purchaser's own internal research when used with the separate purchase of Licensed Probe. No other patent rights are conveyed expressly, by implication, or by estoppel. Further information on purchasing licenses may be obtained from the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404, USA.

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