Gene Expression Real-Time PCR Workflow

Do you have all the pieces of the puzzle?
It’s never been easier to get everything you need for your real-time PCR experiments.

1. **Cell Lysis and RNA Isolation**
   Aurum Total RNA Kits produce high-quality, DNA-free total RNA from various starting materials.

2. **Target Selection**
   PrimePCR Assays and Panels are expertly designed PCR primer and probe assays that have been experimentally validated for guaranteed performance.

3. **Reaction Setup**
   **Supermixes** — patented*  
   Sso7d fusion polymerase technology provides robust performance.  
   **Plastics** — patented  
   Hard-Shell PCR Plates provide superior stability and flatness.

4. **Detection**
   CFX Real-Time PCR Systems are designed to bring outstanding thermal performance and sensitive optical detection to all of your real-time PCR applications.

5. **Analysis**
   CFX Maestro Software provides intuitive setup and data analysis for all your quantitative PCR needs.

* U.S. patents 6,627,424; 7,541,170; and 7,560,260.
Ordering Information

Catalog # Description

1 7326820 Aurum Total RNA Mini Kit, 50 prep., includes 50 RNA binding columns, 50 capless collection tubes (2.0 ml), 100 capped sample tubes (2.0 ml), 50 capped sample tubes (1.5 ml), 1 vial lyophilized DNase I, RNase-free reagents

3 7326880 Aurum Total RNA 96 Kit, 2 x 96-well prep., includes 2 growth membranes, sealing tape, 2 RNA binding plates, 2 collection microplates, 2 vials lyophilized DNase I, RNase-free reagents

4 1725086 SingleShot SYBR® Green Kit for Cell Lysis and RT-qPCR, 100 x 50 μl reactions

5 1725090 SingleShot Probes Kit for Cell Lysis and RT-qPCR, 100 x 50 μl reactions

Bio-Rad offers bench-tested primers and probes in predesigned PrimePCR Primers, Assays, and Arrays. More at bio-rad.com/RNAIsolation

PCR Plastics and Sealer

Catalog # Description

3 HSPI9601 Hard-Shell Low-Profile 96-Well Skirted PCR Plates, pkg of 50, white shell/clear well, rigid 2-component design

HSP3805 Hard-Shell 384-Well Skirted PCR Plates, pkg of 50, clear shell/white well for higher fluorescent signals, rigid 2-component design

Detection

12011319 CFX Opu 96 Real-Time PCR System, includes integrated 96-well system, Ethernet cable, USB cable, and power cord

17005940 CFX Opu 96 Real-Time PCR System with Starter Pack, includes integrated 96-well system; Ethernet cable; USB cable; power cord; Hard-Shell 96-Well PCR Plates, low profile, thin wall, skirted, white well/clear shell; SsoAdvanced Universal SYBR® Green Supermix, 2 x 1 ml; Microseal “B” Adhesive Seals, 100; CFX Maestro Software

12014152 CFX Opu 384 Real-Time PCR System, includes integrated 384-well system, Ethernet cable, USB cable, and power cord

17005939 CFX Opu 384 Real-Time PCR System with Starter Pack, includes integrated 384-well system; Ethernet cable; USB cable; power cord; Hard-Shell 384-Well PCR Plates, thin wall, skirted, clear shell/white well, barcoded; SsoAdvanced Universal SYBR® Green Supermix, 2 x 1 ml; Microseal “B” Adhesive Seals, 100; CFX Maestro Software

1854095 CFX96 Touch Deep Well Real-Time PCR System, includes C1000 Touch Thermal Cycler Chassis, CFX96 Deep Well Optical Reaction Module, cables

1855201 CFX Connect Real-Time PCR System, includes CFX Connect Thermal Cycler Chassis, CFX Connect Optical Reaction Module, USB cable

Analysis

12013758 CFX Maestro Software 2.0

12004128 CFX Maestro Software for Mac

12012832 CFX Maestro Software 2.0, Security Edition, 1 license

12013028 CFX Maestro Software 2.0, Security Edition, 5 licenses

12012894 CFX Maestro Software 2.0, Chinese Edition

12012833 CFX Maestro Software 2.0, Russian Edition

1845025 Precision Melt Analysis Software, 2 user licenses, data analysis software for all CFX Real-Time PCR Systems, 2 HASP HL keys, calibration kit

More at bio-rad.com/qPCR

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SYBR® is a trademark of Thermo Fisher Scientific Inc. Bio-Rad Laboratories, Inc. is licensed by Thermo Fisher Scientific Inc. to sell reagents containing SYBR Green I for use in real-time PCR, for research purposes only.

Hard-Shell Plates are covered by one or more of the following U.S. patents or their foreign counterparts owned by Eppendorf AG: U.S. Patent Numbers 6,266,716; 6,921,203; 7,065,363; and 6,528,302.

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