



## QX ONE Droplet Digital PCR System



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# BUILT FOR AUTOMATED, WALK-AWAY DIGITAL PCR OPERATION

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# DELIVERING ddPCR FOR BIOPHARMA AND CLINICAL RESEARCH

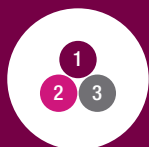
Bio-Rad's unique Droplet Digital PCR (ddPCR) technology has long provided absolute quantification of target DNA and RNA via the generation and thermal cycling of thousands of nanoliter droplets. Now, joining the family alongside the QX200 ddPCR System, the new QX ONE ddPCR System seamlessly integrates the components of a ddPCR workflow — all in one instrument — making it an ideal lab partner for optimizing processes, scaling production, and growing businesses.

## FEATURES AND BENEFITS



### WALK-AWAY OPERATION

- The QX ONE System automates a fully integrated ddPCR workflow, allowing for walk-away operation
- A 5-plate capacity allows 480 samples to be analyzed in a single day



### EASY TO USE

- Simple, intuitive run setup using a large onboard touch screen
- Optimized plate setup means fewer handling steps, fewer operator errors, and faster onboarding



### ADVANCED MULTIPLEXING

- Four color channels combined with amplitude multiplexing and/or radial multiplexing allow for multiple unique targets to be detected in a single reaction
- Specially formulated ddPCR Multiplex Supermix is optimized to empower advanced multiplexing in probe-based assays



### REGULATORY COMPLIANT

- QX ONE Software, Regulatory Edition is a robust package that enables U.S. FDA 21 CFR Part 11 compliance and offers audit trails with tracked protocol changes for regulatory requirements
- RFID barcoded consumables allow lot management and traceability

## WHY BIO-RAD?

Bio-Rad has more than 60 years' experience supporting life science research and biopharma. We are a leader in digital PCR and other analytical technologies. Our innovative products are available as stand-alone solutions or combined into workflows that provide the right answer the first time, every time with minimized downtime.

## SPECIFICATIONS

Dimensions (W x D x H)	122 cm (48 in) x 66 cm (26 in) x 38 cm (15 in) [76 cm (30 in) to top of monitor]
Weight	100 kg (220 lb) [includes monitor, no reagents]
Detection channels	4 (FAM, HEX, Cy5, and Cy5.5) plus scatter channel
Capacity	5 plates (480 samples) per run
Electrical requirements	100–240 VAC, 50/60 Hz, 10–4.6 A, plugs into standard AC receptacle (similar to the QX200 ddPCR System) Fuse: 10 A, 250 V slow blow
Environment	Standard laboratory, 18–30°C, relative humidity 20–80% (noncondensing), altitude between 0 and 2,500 meters (0 to 8,202 feet)
Benchtop space requirements	W x D x H: 193 cm (76 in) x 76 cm (30 in) x 126 cm (50 in); 35 cm (14 in) on each side and 10 cm (4 in) behind the machine for proper ventilation  Single benchtop rated for more than 114 kg (250 lb) Level within approx. 1° about each axis
Touch screen	61 cm (24 in), Windows 10 Professional 64-Bit, 1 TB SSD hard drive, Intel Core i5-6300U processor, 16 GB RAM, 1,920 x 1,080 display resolution

Catalog #	Description
<b>Reagents</b>	
1863023	<b>ddPCR Supermix for Probes (No dUTP)</b> , 2 ml (2 x 1 ml), 200 x 20 µl reactions
1863024	<b>ddPCR Supermix for Probes (No dUTP)</b> , 5 ml (5 x 1 ml), 500 x 20 µl reactions
1863025	<b>ddPCR Supermix for Probes (No dUTP)</b> , 25 ml (5 x 5 ml), 2,500 x 20 µl reactions
1863026	<b>ddPCR Supermix for Probes</b> , 2 ml (2 x 1 ml), 200 x 20 µl reactions
1863010	<b>ddPCR Supermix for Probes</b> , 5 ml (5 x 1 ml), 500 x 20 µl reactions
1863027	<b>ddPCR Supermix for Probes</b> , 25 ml (5 x 5 ml), 2,500 x 20 µl reactions
1863028	<b>ddPCR Supermix for Probes</b> , 50 ml (10 x 5 ml), 5,000 x 20 µl reactions
12005909	<b>ddPCR Multiplex Supermix</b> , 1 ml (2 x 0.5 ml), 200 x 20 µl reactions
12005910	<b>ddPCR Multiplex Supermix</b> , 2.5 ml (5 x 0.5 ml), 500 x 20 µl reactions
12005911	<b>ddPCR Multiplex Supermix</b> , 12.5 ml (5 x 2.5 ml), 2,500 x 20 µl reactions
1864037	<b>ddPCR Supermix for Residual DNA Quantification</b> , 2 ml (2 x 1 ml), 200 x 20 µl reactions
1864038	<b>ddPCR Supermix for Residual DNA Quantification</b> , 5 ml (5 x 1 ml), 500 x 20 µl reactions
1864039	<b>ddPCR Supermix for Residual DNA Quantification</b> , 25 ml (5 x 5 ml), 2,500 x 20 µl reactions
1864040	<b>ddPCR Supermix for Residual DNA Quantification</b> , 50 ml (10 x 5 ml), 5,000 x 20 µl reactions
1864021	<b>One-Step RT-ddPCR Advanced Kit for Probes</b> , 200 x 20 µl reactions
1864022	<b>One-Step RT-ddPCR Advanced Kit for Probes</b> , 500 x 20 µl reactions
1863052	<b>ddPCR Buffer Control for Probes</b> , 9 ml (2 x 4.5 ml)
<b>Plate Sealer</b>	
1814000	<b>PX1 PCR Plate Sealer</b> , includes heat sealing instrument, plate support block that holds 96-well and 384-well plates, sealing frame, power cord

## ORDERING INFORMATION

Catalog #	Description
<b>QX ONE Droplet Digital PCR (ddPCR) System</b>	
12006536	<b>QX ONE Droplet Digital PCR System</b> , integrated system used for sequential droplet generation, thermal cycling, and droplet reading; includes instrument, touch screen, and QX ONE Accessory Kit
—	<b>QX ONE Software (Standard Edition)</b> , connects to the QX ONE Droplet Digital PCR System for instrument control, assay setup, and data collection and analysis
12012078	<b>QX ONE Software (Regulatory Edition)</b> , connects to the QX ONE Droplet Digital PCR System for instrument control, assay setup, and data collection and analysis; offers audit trails
17005930	<b>QX ONE Droplet Digital PCR System with PX1 PCR Plate Sealer</b> , includes QX ONE Droplet Digital PCR instrument, touch screen, QX ONE Accessory Kit, and PX1 PCR Plate Sealer

### Consumables

12006859	<b>GCR96 Cartridges</b> , pkg of 10
12006858	<b>GCR96 Cartridge</b> , pkg of 1
12006843	<b>GCR96 Foil Heat Seal</b> , pkg of 100
12006060	<b>QX ONE ddPCR System Waste Bottle</b>
<b>Oils</b>	
12006058	<b>QX ONE Droplet Generation Oil for Probes</b> , enough for 18 x 96-well plates
12006057	<b>QX ONE Droplet Reader Oil</b> , enough for 10 x 96-well plates

Visit [bio-rad.com/QXONE](http://bio-rad.com/QXONE) for more information.

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