

SST Lab Talk

VOLUME 7, ISSUE 2

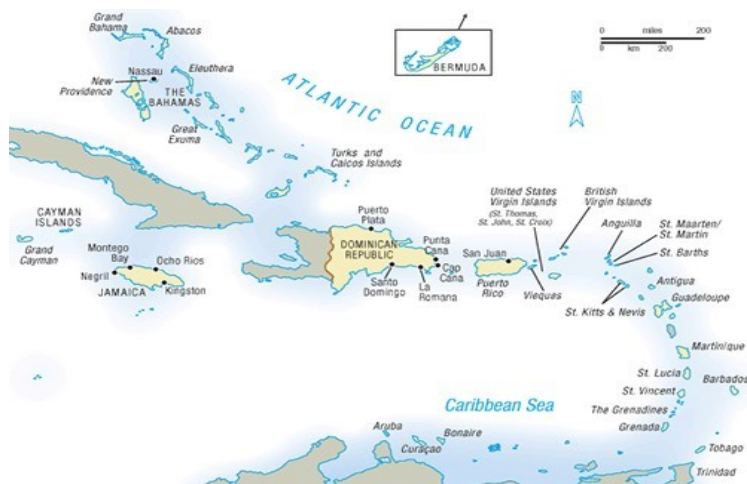
SEPTEMBER 2020

Is that light I see?

The last few months have been anything but normal for all of us. This worldwide pandemic has forced countries to go into lockdown and close borders to keep their populations as safe as possible. But slowly there seems to be some light at the end of the tunnel. We are starting to see some of the islands open up slowly and allow some travel in and out. No matter what stage we are in, we still must take every precaution to make sure we stay as safe as possible.

We are anxious to get back to traveling so we can meet with and service our customers. In the meantime, I have enjoyed having “face-to-face” meetings with you via Zoom as it still allows us to discuss issues, ideas, and opportunities. If you would like to have a meeting via Zoom, please reach out to me and I will be happy to schedule one with you.

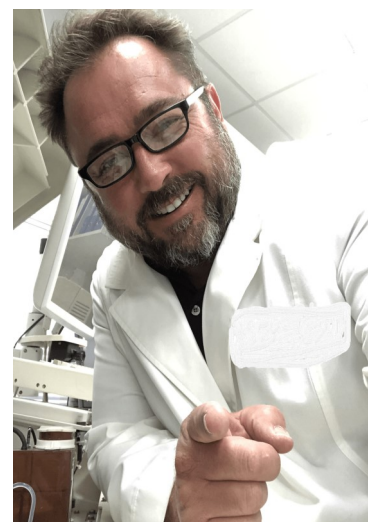
In this edition of our newsletter, we are focusing on COVID-19 and the testing methods we have available. We offer a RT-PCR Kit, IgG/IgM Antibody Rapid Tests, and a PCR Workstation to help any lab perform these



imperative assays. We also included the RT-PCR and the ddPCR Systems from Bio-Rad. The RT-PCR Detection System is a great option for the lab just beginning PCR testing or looking to grow. The ddPCR Systems are the newest offerings available for those labs looking to take the lead with newer technology. Plateletworks is the most economical solution for Platelet function testing and transfusion triage. Plateletworks can be the cornerstone for STAT/Emergency platelet function testing. I am excited to announce that Giancarlo Campodónico is back with SST as our new Service Manager. Please feel free to reach out to him for assistance and/or

welcome him back. You may visit us at www.sst-intl.com to obtain current information, news, updates, and product brochures.

Warmest Regards,
Jerry



INSIDE THIS ISSUE:

Welcome	I
COVID-19	2-3
PCR	4-9
Plateletworks	10
ASSIST	11
Getein 1100	12-13
SchuyLab	14
Events	15

COVID-19



OneStep RapidCard™ Instatest 2019-nCoV IgG/IgM

Catalog # -1-44
www.rapidtest.com
onestep@rapidtest.com

Cortez Diagnostics Inc. 2019-nCoV IgG/IgM InstaTest is a **qualitative** immunoassay for the rapid detection of IgG and IgM antibodies to 2019-nCoV in human whole blood, serum, and plasma.

A novel coronavirus, similar to SARS and MERS, has recently been declared a world health emergency, originating from Wuhan since December 2019. This lethal epidemic exhibits pneumonia like symptoms and is mostly transmitted via infected liquids.



RapidTests provides a swift detection the new coronavirus unlike other testing methods.

For in vitro diagnostic use only



STOCK CODE 603387

GP Getein
Biotech, Inc.

One Step Test for Novel Coronavirus (2019-nCoV) IgM/IgG antibody

Colloidal Gold

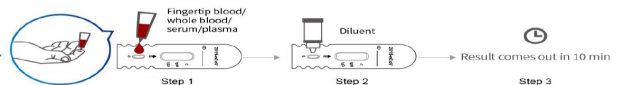
Read test result directly.
Do not require test equipment.



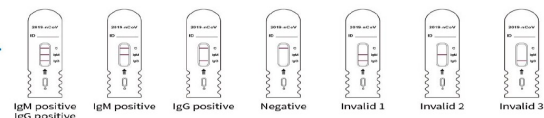
Product Characteristics

- Result shows in only 10 min at the soonest
- Sample types: fingertip blood/whole blood/serum/plasma
- Test both IgM and IgG to improve sensitivity
- Use in combination with RT-PCR assay for better diagnosis

Operation>>>



Test Result>>>



Applications

- Early diagnosis and screening of 2019-nCoV infection for CDC or Outpatient and Emergency in hospitals
- Rapid screening for primary health care institutions
- Screening for resumption of work in public institutions and companies
- Screening for students back to school

STOCK CODE 603387

GP GeteIn
Biotech, Inc.**Novel Coronavirus (2019-nCoV)
Real-time RT-PCR Kit**

CE Marked

**Gold Standard of Confirmation of Coronavirus
Disease 2019 (COVID-19)**

Using in Combination with 2019-nCoV IgM or/and
IgG Antibody Detection Products to Reduce False
Negative Rate

**Product Characteristics**

- Limit of Detection: 300 copies/mL
- Applicable device: real-time PCR instruments with FAM, HEX (VIC/JOE) and ROX channels
- Sample type: respiratory specimens (like nasopharyngeal or oropharyngeal swabs, bronchoalveolar lavage)

**Protocol for Prevention and Control of COVID-19 (Edition 6) issued
by National Health Commission of the People's Republic of China**

- **Confirmed Cases of COVID-19**

- **Suspected cases with one of the following etiological or serological pieces of evidence:**

1. Real-time fluorescent RT-PCR positive result for 2019-nCoV nucleic acid;
2. Viral genetic sequence that is highly homologous to 2019-nCoV;
3. 2019-nCoV virus-specific IgM and IgG detectable in serum, 2019-nCoV virus-specific IgG is detectable, or there is at least a 4-fold increase in IgG between paired acute and convalescent sera.

APPLICATION SOLUTIONS

PCR Workstation*Get results – not background*

AirClean® Systems AC600 Series PCR Workstations combine ISO 5 HEPA-filtered air with UV light irradiation for the ultimate DNA/RNA manipulation and amplification work area. Cross-contamination during amplification of DNA and RNA can lead to results that are inaccurate, costing the lab technician valuable time and reagents. PCR Workstations minimize this risk by keeping airborne contaminants away from samples and irradiating work surfaces and tools between amplifications.



AC632LFUV PCR Workstation

Unique Safety Features

UV light with UV shelf
offers enhanced irradiation
of supplies



Polypropylene base reflects
ultraviolet energy and is easily
cleaned



Unique interlocking sash with a
safety overlap to prevent gaps in
sash



Sash safety switch automatically
turns off UV light and activates the
blower when sash is raised

Features:

- UVtect™ microprocessor controller
- ISO 5 vertical laminar airflow
- UV and fluorescent lights
- Polycarbonate and polypropylene design reflects UV energy
- Seamless plastic design — no joints or gaps in construction
- UV shelf with built-in pipettor holder
- Digital UV light timer 1-59 minutes
- Constant monitoring of UV light and HEPA filter effectiveness
- Lab event timer
- Pass-through port
- Available in 110V AC or 220V AC

*AirClean Systems laminar flow workstations and clean
benches meet and exceed ISO 5 standards*

PCR is a registered trademark of Hoffman-LaRoche

AirClean Systems

www.aircleansystems.com

CFX96 TOUCH REAL-TIME PCR DETECTION SYSTEM

ADVANCING qPCR TOGETHER



Easily start runs
using the intuitive
touch screen.

The CFX96 Touch Real-Time PCR Detection System is a flexible and precise real-time PCR instrument. Its unsurpassed thermal cycler performance and innovative optical design produce accurate, reliable data. The powerful, yet intuitive software accelerates every step of your real-time PCR research, shortening the time between getting started and obtaining great results.

Specifications

Thermal Cycler	
Chassis	C1000 Touch
Maximum ramp rate	5°C/sec
Average ramp rate	3.3°C/sec
Heating and cooling method	Peltier
Lid	Heats up to 105°C
Temperature	
Range	0–100°C
Accuracy	±0.2°C of programmed target at 90°C
Uniformity	±0.4°C well-to-well within 10 sec of arrival at 90°C
Gradient	
Operational range	30–100°C
Programmable span	1–24°C
Optical Detection	
Excitation	6 filtered LEDs
Detection	6 filtered photodiodes
Range of excitation/emission wavelengths	450–730 nm
Sensitivity	Detects 1 copy of target sequence in human genomic DNA
Dynamic range	10 orders of magnitude
Scan time	
All channels	12 sec
Single channel fast scan	3 sec
CFX Maestro Software	
Operating systems	Windows 7, Windows 8, Windows 10, Mac OS X El Capitan, Mac OS Sierra
Memory	Minimum 1 GB
Data analysis modes	
	PCR quantification with standard curve
	Melt curve analysis
	Gene expression analysis by relative quantity ($\Delta\Delta C_q$) or normalized expression ($\Delta\Delta C_q$) with multiple reference genes and individual reaction efficiencies
	Data analysis options include bar chart, box and whisker plot, dot plot, clustergram, scatter plot, volcano plot
	Statistical analysis with t-tests and one-way ANOVA
	Multiple file gene expression analysis for comparison of an unlimited number of C_q values for multi-plate studies
	Allelic discrimination
	End-point analysis
Image export	
	Image size: any
	Resolution: 72–600 dpi
	Image format: jpg, png, bmp
Data export	
	Export specified data in multiple formats
	Copy and paste into Microsoft Word, Excel, or PowerPoint file
	Customizable reports containing run settings, data graphs, and spreadsheets can be printed directly or saved as PDFs

Ordering Information

Catalog #	Description
1841100	C1000 Touch Thermal Cycler Chassis , includes USB flash drive, power cord; does not include reaction module
1845097	CFX96™ Optical Reaction Module , for use with C1000 Touch Thermal Cycler Chassis, includes communication cable
1855196	CFX96 Touch Real-Time PCR Detection System with Starter Package , includes C1000 Touch Thermal Cycler Chassis, CFX96 Optical Reaction Module, CFX Maestro Software, license for qbase+ Software, communication cable, reagents, consumables
1855195	CFX96 Touch Real-Time PCR Detection System , includes C1000 Touch Thermal Cycler Chassis, CFX96 Optical Reaction Module, communication cable
12004110	CFX Maestro Software
12004128	CFX Maestro Software for Mac
12005258	CFX Maestro Software, Security Edition , includes 1 user license, installation CD, HASP HL key
1845025	Precision Melt Analysis Software , includes 2 user licenses, installation CD, 2 HASP HL keys, melt calibration kit
1845075	CFX Automation System II , includes plate handler and barcode scanner, mounting plate, automation software
1814000	PX1™ PCR Plate Sealer , includes heat sealing instrument
1814030	Optically Clear Heat Seal , for use with PX1 PCR Plate Sealer, 100
MSB1001	Microseal® 'B' Adhesive Seals , optically clear, 100
HSP9655	Hard-Shell High-Profile 96-Well Skirted PCR Plates , white well, white shell, 50
HSP9955	Hard-Shell Low-Profile 96-Well Skirted PCR Plates , white well, white shell, barcoded, 50
1708840	iScript™ Reverse Transcription Supremix for RT-qPCR , 25 x 20 µl reactions, includes 100 µl 5x iScript RT Supremix, iScript RT Supremix No-RT Control
1725037	iScript Advanced cDNA Synthesis Kit for RT-qPCR , 25 x 20 µl reactions, includes 100 µl 5x iScript Advanced Reaction Mix, 25 µl iScript Advanced Reverse Transcriptase
1725848	iQ™ Multiplex Powermix , 50 x 50 µl reactions, 2x mix contains dNTPs, 11 mM MgCl ₂ , iTaq DNA Polymerase, stabilizers
1725270	SsoAdvanced™ Universal SYBR® Green Supremix , 2 ml (2 x 1 ml vials), 200 x 20 µl reactions, 2x qPCR mix, contains Sso7d fusion polymerase, ROX Normalization Dyes
1725280	SsoAdvanced Universal Probes Supremix , 2 ml (2 x 1 ml vials), 200 x 20 µl reactions, 2x qPCR mix, contains Sso7d fusion polymerase, ROX Normalization Dyes
1725160	SsoAdvanced PreAmp Supremix , 1.25 ml (1 x 1.25 ml vial), 50 x 50 µl reactions, 2x PreAmp Mix, contains dNTPs, Sso7d fusion polymerase, salts, enhancers, stabilizers, other proprietary components
1725095	SingleShot™ SYBR® Green One-Step Kit , 100 x 50 µl reactions

Visit bio-rad.com/web/CFX96TouchMore for more information.

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Bio-Rad's real-time thermal cyclers are covered by one or more of the following U.S. patents or their foreign counterparts owned by Eppendorf AG: U.S. Patent Numbers 6,767,512 and 7,074,367.

The use of iQ, SsoAdvanced, and SsoFast Supremixes is covered by one or more of the following U.S. patents and corresponding patent claims outside the U.S.: 5,804,375; 5,538,848; 5,723,591; 5,876,930; 5,994,056; 6,030,787; 6,171,785; and 6,258,569. The purchase of these products includes a limited, non-transferable immunity from suit under the foregoing patent claims for using only this amount of product for the purchaser's own internal research. No right under any other patent claim and no right to perform commercial services of any kind, including without limitation reporting the results of purchaser's activities for a fee or other commercial consideration, are conveyed expressly, by implication, or by estoppel. These products are for research use only. Diagnostic uses under Roche patents require a separate license from Roche. Further information on purchasing licenses may be obtained from the Director of Licensing, Applied Biosystems, 850 Lincoln Centre Drive, Foster City, California 94404, USA.

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 7,347,977; 6,340,589; and 6,528,302.



**Bio-Rad
Laboratories, Inc.**

QX200 Droplet Digital PCR System



Droplet Digital PCR (ddPCR™) is Bio-Rad's unique digital PCR technology. With unrivaled precision, Droplet Digital PCR provides absolute quantification of target DNA or RNA molecules without the use of standard curves. It addresses the lack of scalable and practical technologies for digital PCR implementation. The new QX200 Droplet Digital PCR System puts this powerful technology in your hands, ready to unveil new worlds of research at previously unattainable levels.

PCR becomes "digital" through sample partitioning and the subsequent statistical analysis of target detection across the partitions. The QX200 System uses advanced microfluidics technology to achieve partitioning on a massive scale, generating 20,000 highly uniform nanoliter-sized droplets per sample. For even higher sensitivity, it is possible to combine wells and analyze millions of droplets for a single sample.

Simple and reliable, Droplet Digital PCR technology has already led to several research breakthroughs in fields such as cancer biomarker discovery, infectious diseases, genomic alterations, and gene expression. This research is only the beginning. What discoveries will you make using Droplet Digital PCR?



More Droplet Digital PCR Resources

Visit bio-rad.com/web/QX200 for a wide range of videos, technical reports, published findings, and other resources describing Bio-Rad's unique Droplet Digital PCR technology and the QX200 ddPCR System.

Specifications

QX200 Droplet Generator	
Starting sample size	20 µl
Capacity	1–8 samples/cartridge
Droplets per sample	20,000
Dimensions (W x D x H)	28 x 36 x 13 cm (11 x 14 x 5 in.)
QX200 Droplet Reader	
Precision	±10%
Linear dynamic range	5 orders of magnitude
Capacity	1–96 samples
Droplets per 96-well plate	Approximately 1,500,000
Sample illumination	Light-emitting diodes
Sample detection	Multipixel photon counter
Detection channels	FAM (EvaGreen), HEX (VIC)
Dimensions (W x D x H)	66 x 52 x 29 cm (26 x 20 x 11 in.)

Ordering Information

Catalog # Description

QX200 Droplet Digital PCR System

1864001	QX200 Droplet Digital PCR System , includes droplet generator, droplet reader, laptop computer, software, associated component consumables
1864002	QX200 Droplet Generator , includes droplet generator, 1 pkg of 24 DG8 Cartridges, 1 pkg of 24 DG8 Gaskets, 2 cartridge holders, 1 power cord
1864003	QX200 Droplet Reader , includes droplet reader, ddPCR manual, 2 plate holders, USB cable, power cord
1864007	Droplet Generator Cartridges and Gaskets , includes 5 pkg of 24 DG8 Cartridges, 5 pkg of 24 DG8 Gaskets
1864008	DG8 Cartridges for QX200/QX100™ Droplet Generator , 1 pkg of 24 cartridges
1863009	DG8 Gaskets for QX200/QX100 Droplet Generator , 1 pkg of 24 gaskets
1863051	DG8 Cartridge Holder
1863005	Droplet Generation Oil for Probes , 10 x 7 ml
1864005	QX200 Droplet Generation Oil for EvaGreen , 2 x 7 ml
1864006	QX200 Droplet Generation Oil for EvaGreen , 10 x 7 ml
1863004	ddPCR Droplet Reader Oil , 2 x 1 L

ddPCR Reagents

1863026	ddPCR Supermix for Probes , 2 ml (2 x 1 ml), 200 x 20 µl reactions, 2x supermix
1863010	ddPCR Supermix for Probes , 5 ml (5 x 1 ml), 500 x 20 µl reactions, 2x supermix
1863027	ddPCR Supermix for Probes , 25 ml (5 x 5 ml), 2,500 x 20 µl reactions, 2x supermix
1863028	ddPCR Supermix for Probes , 50 ml (10 x 5 ml), 5,000 x 20 µl reactions, 2x supermix
1863023	ddPCR Supermix for Probes (No dUTP) , 2 ml (2 x 1 ml), 200 x 20 µl reactions, 2x supermix
1863024	ddPCR Supermix for Probes (No dUTP) , 5 ml (5 x 1 ml), 500 x 20 µl reactions, 2x supermix
1863025	ddPCR Supermix for Probes (No dUTP) , 25 ml (5 x 5 ml), 2,500 x 20 µl reactions, 2x supermix

Catalog #	Description
1863021	One-Step RT-ddPCR Kit for Probes , 2 ml (2 x 1 ml), 200 x 20 µl reactions, 2x RT-ddPCR mix, includes 1 manganese acetate tube
1863022	One-Step RT-ddPCR Kit for Probes , 5 ml (5 x 1 ml), 500 x 20 µl reactions, 2x RT-ddPCR mix, includes 2 manganese acetate tubes
1864033	QX200 ddPCR EvaGreen Supermix , 2 ml (2 x 1 ml), 200 x 20 µl reactions, 2x supermix
1864034	QX200 ddPCR EvaGreen Supermix , 5 ml (5 x 1 ml), 500 x 20 µl reactions, 2x supermix
1864035	QX200 ddPCR EvaGreen Supermix , 25 ml (5 x 5 ml), 2,500 x 20 µl reactions, 2x supermix
1864036	QX200 ddPCR EvaGreen Supermix , 50 ml (10 x 5 ml), 5,000 x 20 µl reactions, 2x supermix
1863052	ddPCR Buffer Control Kit , 9 ml (2 x 4.5 ml), 2x buffer
1864052	QX200 Buffer Control for EvaGreen , 9 ml (2 x 4.5 ml), 2x buffer
1863040	ddPCR Library Quantification Kit for Illumina TruSeq , 200 x 20 µl reactions, includes ddPCR Supermix for Probes (No dUTP) (2 x 1 ml vials), ddPCR Library Quantification Assay (1 x 200 µl vial), for quantification of Illumina TruSeq libraries using the QX200 or QX100 System
1863041	ddPCR Library Quantification Kit for Ion Torrent , 200 x 20 µl reactions, includes ddPCR Supermix for Probes (No dUTP) (2 x 1 ml vials), ddPCR Library Quantification Assay (1 x 200 µl vial), for quantification of Ion Torrent libraries using the QX200 or QX100 System
Thermal Cycler and Plate Sealer	
1851197	C1000 Touch™ Thermal Cycler with 96-Deep Well Reaction Module , includes C1000 Touch Thermal Cycler Chassis, 96-deep well reaction module, USB flash drive
1814000	PXI™ PCR Plate Sealer , includes heat sealing instrument, plate support block that holds 96-well and 384-well plates, sealing frame, power cord

EvaGreen is a trademark of Biotium, Inc. Bio-Rad Laboratories, Inc. is licensed by Biotium, Inc. to sell reagents containing EvaGreen Dye for use in real-time PCR, for research purposes only. FAM, HEX, Ion Torrent, and VIC are trademarks of Life Technologies Corporation. Illumina, MiSeq, and TruSeq are trademarks of Illumina, Inc. Illumina is not affiliated with Bio-Rad Laboratories, Inc.

The QX100 or QX200 Droplet Digital PCR System and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. Purchase of the product includes a limited, non-transferable right under such intellectual property for use of the product for internal research purposes only. No rights are granted for diagnostic uses. No rights are granted for use of the product for commercial applications of any kind, including but not limited to manufacturing, quality control, or commercial services, such as contract services or fee for services. Information concerning a license for such uses can be obtained from Bio-Rad Laboratories. It is the responsibility of the purchaser/end user to acquire any additional intellectual property rights that may be required.

Bio-Rad's thermal cyclers and real-time thermal cyclers are covered by one or more of the following U.S. patents or their foreign counterparts owned by Eppendorf AG: U.S. Patent Numbers 6,767,512 and 7,074,367.

The QX200 Droplet Digital PCR System and Automated Droplet Generator are for research use only and are not intended for use in diagnostic procedures.



Bio-Rad
Laboratories, Inc.

The QX ONE ddPCR System is designed to deliver accurate, precise, and multiplex digital PCR results. This system seamlessly integrates a standard ddPCR workflow of droplet generation, thermal cycling, droplet reading, and analysis into an automated precision platform.

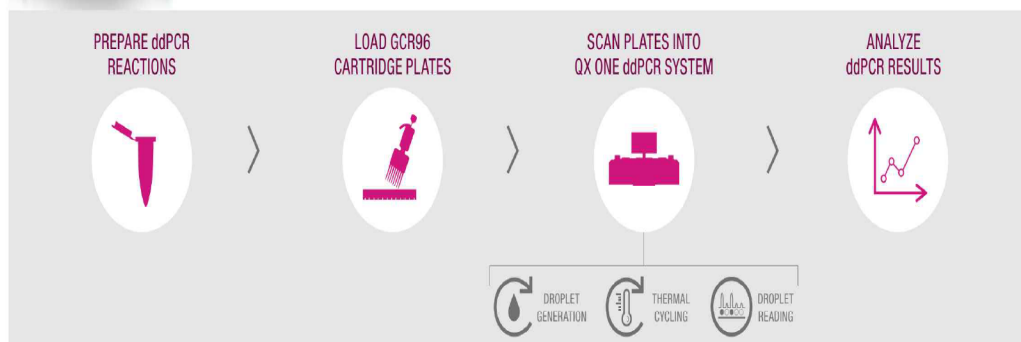
- Walk-away operation (5-plate capacity)
- Advanced multiplexing capabilities
- A new multiplex supermix and compatibility with existing supermixes
- Easy-to-use QX ONE Software



THE WORKFLOW



The QX ONE ddPCR System combines partitioning, amplification, and droplet reading into a single, completely automated process. Once a protocol is selected, plates are scanned and loaded into the QX ONE ddPCR System.



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

Ordering Information

Catalog #	Description
12006536	QX ONE Droplet Digital PCR System

BIO-RAD, DDPCR, DROPLET DIGITAL PCR, and QX ONE are trademarks of Bio-Rad Laboratories, Inc. in certain jurisdictions. All trademarks used herein are the property of their respective owner.

Purchase of Digital PCR products from Bio-Rad Laboratories includes a limited, non-transferable right under our intellectual property for you to use the products for your internal research purposes only. Unless we expressly state otherwise in additional Terms and Conditions, no rights are granted for you to distribute or resell the products or to use the products for commercial applications, such as contract services or fee for services. No rights are granted for diagnostic uses. Information concerning a license for such uses can be obtained from Bio-Rad Laboratories. It is the responsibility of the purchaser/end user to acquire any additional intellectual property rights that may be required. The QX ONE Droplet Digital PCR System and/or its use is covered by claims of U.S. patents, and/or pending U.S. and non-U.S. patent applications owned by or under license to Bio-Rad Laboratories, Inc. See bio-rad.com/en-us/trademarks for details.

BIO-RAD

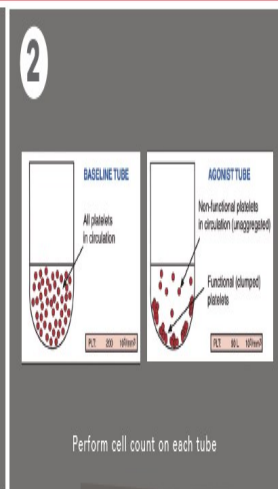
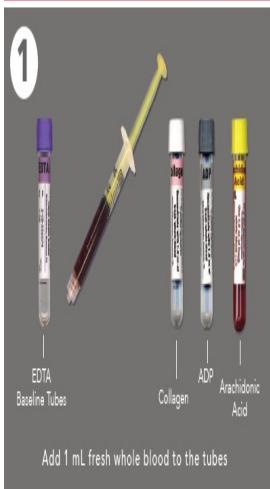
**Bio-Rad
Laboratories, Inc.**



PLATELET TESTING

AS EASY AS ONE, TWO, THREE... WITH

Plateletworks®



With Plateletworks whole blood bedside platelet aggregation assay, rapid screening of platelet dysfunction can be achieved in under 10 minutes with any impedance cell counter. No specialized training or equipment is needed.

- Uses traditional ADP, Collagen and Arachidonic Acid agonists
- Fast results with functional platelet count plus aggregation/inhibition % activity
- Reduces unnecessary platelet usage
- Detects effects of anti-platelet therapies
- Excellent pre-surgical and trauma screen
- Favorable reimbursement



SIMPLE AND EFFECTIVE PLATELET FUNCTION TEST

Total Functioning Platelet Count Guidelines*

Patient/Procedure	PLT Count	Recommend PLT Transfusion
Cardiac Surgery with Bypass	Non-Thrombocytopenic	No
	Thrombocytopenic/Platelet Dysfunction	Yes
Hospitalized Adult Patients	<10 x 10 ⁹ cells/L	Yes
Venous Catheter Placement	<20 x 10 ⁹ cells/L	Yes
Diagnostic Lumbar Puncture	<50 x 10 ⁹ cells/L	Yes
Major Nonneuroaxial Surgery	<50 x 10 ⁹ cells/L	Yes

*Kaufman R, et al. Ann Intern Med. 2016; 162 (3): 205-213.

Platelet Aggregation Results

Collagen	ADP	AA	Interpretation
Normal	Normal	Normal	No significant effects of anti-platelet drugs or factors
Abnormal	Abnormal	Normal	Probable ADP inhibitor or anti-IIb/IIIa present
Abnormal	Abnormal	Abnormal	Probable ADP inhibitor or anti-IIb/IIIa with probable COX-1 inhibitor
Abnormal	Normal	Abnormal	Probable COX-1 inhibitor
Abnormal	Normal	Normal	Probable fibrinolysis or adhesion defect

ASSIST

~every time~

ITEM NUMBER	ITEM DESCRIPTION	PRICE
AP00301500CS	PLAIN PETRI DISH, 100X15mm 500/CS	\$50.00
APCAAS1310057CS	CLOT ACTIVATOR TUBE, RED CAP, 13X100mm, 4-6mL 1800/CS	\$120.00
APCAAS1610070CS	CLOT ACTIVATOR TUBE, RED CAP, 16X100mm, 6-8mL 1200/CS	\$126.00
APCAGS1310057CS	GEL +CLOT ACTIVATOR TUBE, YELLOW CAP, 13X100mm, 4-6mL 1800/CS	\$184.00
APCAGS1610070CS	GEL +CLOT ACTIVATOR TUBE, YELLOW CAP, 16X100mm, 6-8mL 1200/CS	\$163.00
APCKEP137515CS	EDTA K2/K3 TUBE, LAVENDER CAP, 13X75mm, 2-4mL 1800/CS	\$120.00
APCLHP137515CS	HEPARIN LITHIUM TUBE, GREEN CAP, 13X75mm, 2-4mL 1800/CS	\$120.00
APCOFP137515CS	CLOT PREVENT BY OXALATE FLUORIDE TUBE, GRAY CAP, 13X75mm, 2-4mL 1800/CS	\$120.00
APCSCP137515CS	3.2% SODIUM CITRATE TUBE, BLUE CAP, 13X75mm, 2-4mL 1800/CS	\$120.00
APF02120100ISCS	120mL URINE CONTAINER, BLUE CAP, STERILE, INDIVIDUALLY WRAPPED 100/CS	\$14.00
APF02120200SCS	120mL URINE CONTAINER, BLUE CAP, STERILE 200/CS	\$28.00
APF02120500CS	120mL URINE CONTAINER, YELLOW CAP, NON-STERILE 500/CS	\$50.00
APF0460500CS	60mL URINE CONTAINER, SHORT, YELLOW CAP, NON-STERILE 500/CS	\$45.00
APF0460500SCS	60mL URINE CONTAINER, SHORT, YELLOW CAP, STERILE 500/CS	\$50.00
APF05301MCS	30mL URINE CONTAINER, YELLOW CAP, NON-STERILE 1000/CS	\$80.00
APF0660500CS	60mL STOOL CONTAINER, HIGH, RED CAP, NON-STERILE 500/CS	\$48.00
APF07301MCS	30mL STOOL CONTAINER, RED CAP, NON-STERILE 1000/CS	\$88.00
APMSN12CS	MULTI-SAMPLE NEEDLE, 21Gx1.5", 100/BOX, 20BX/CS	\$95.00
APMSN1CS	MULTI-SAMPLE NEEDLE, 21Gx1", 100/BOX, 20BX/CS	\$95.00
CIS50005CS	"ASSURED" NITRILE EXAM GLOVES PF/SML, 100/PK, 10PK/CS (FDA)	\$46.00
CIS50010CS	"ASSURED" NITRILE EXAM GLOVES PF/MED, 100/PK, 10PK/CS (FDA)	\$46.00
CIS50015CS	"ASSURED" NITRILE EXAM GLOVES PF/LGE, 100/PK, 10PK/CS (FDA)	\$46.00



OPTIMIZED POINT-OF-CARE SOLUTION

MAKE TEST EASY

Getein 1100

Immunofluorescence Quantitative Analyzer



TEST ITEMS

Cat. #	TEST ITEMS	DISEASES	CUT-OFF VALUE	SAMPLE TYPES	MEASURING RANGE	SAMPLE VOLUME	REACTION TIME	QUALIFICATION
Cardiac Markers								
IF1001	cTnI	Myocardial infarction	0.1ng/mL	S/P/WB	0.1-50.0ng/mL	100μL	10min	NMPA CE
IF1002	NT-proBNP	Heart failure	300pg/mL	S/P/WB	100-35000pg/mL	100μL	10min	NMPA CE
IF1005	CK-MB/cTnI/Myo	Myocardial damage /infarction	CK-MB: 5.0ng/mL cTnI: 0.1ng/mL Myo: 70ng/mL	S/P/WB	2.5-80.0ng/mL 0.1-50.0ng/mL 30.0-600.0ng/mL	100μL	10min	NMPA CE
IF1012	CK-MB/cTnI	Myocardial damage /infarction	CK-MB: 5.0ng/mL cTnI: 0.1ng/mL	S/P/WB	2.5-80.0ng/mL 0.1-50.0ng/mL	100μL	10min	CE
IF1014	H-FABP	Myocardial damage	6.36ng/mL	S/P/WB	1.0-120.0ng/mL	100μL	3min	NMPA CE
IF1016	CK-MB/cTnI/H-FABP	Myocardial damage /infarction	CK-MB: 5.0ng/mL cTnI: 0.1ng/mL H-FABP: 6.36ng/mL	S/P/WB	2.5-80.0ng/mL 0.1-50.0ng/mL 2.0-100.0ng/mL	100μL	10min	NMPA CE
IF1018	CK-MB	Myocardial injury	5.0ng/mL	S/P/WB	2.5-80.0ng/mL	100μL	10min	CE
Coagulation Markers								
IF1006	D-Dimer	Venous thromboembolism	0.5mg/L	P/WB	0.1-10.0mg/L	100μL	10min	NMPA CE
Diabetes Mellitus								
IF1017	HbA1c	Diabetes mellitus	3.8%-5.8%	WB	2%-14%	10μL	5min	NGSP NMPA IFCC CE
Inflammation								
IF1003	hs-CRP+CRP	Cardiovascular inflammation /normal inflammation	3mg/L 10mg/L	S/P/WB/ Fingerlip Blood	0.5-200mg/L	10μL	3min	NMPA CE
IF1007	PCT	Sepsis, bacterial infection	0.1ng/mL	S/P/WB	0.1-50.0ng/mL	100μL	15min	NMPA CE
IF1015	PCT/CRP	Sepsis, bacterial infection	PCT: 0.1ng/mL CRP: 3.0mg/L	S/P/WB	0.1-50.0ng/mL 0.5-200.0mg/L	100μL	15min	NMPA CE
IF1044	SAA	Bacterial/Virus infection	10.0mg/L	S/P/WB/ Fingerlip Blood	5.0-200.0mg/L	10μL	5min	NMPA CE
Renal Function								
IF1008	CysC	Acute and chronic renal diseases	0.51-1.09mg/L	S/P/WB	0.5-10.0mg/L	10μL	3min	NMPA CE
IF1009	mAlb	Diabetic nephropathy, hypertensive nephropathy	20.0mg/L	Urine	10.0-200.0mg/L	100μL	3min	NMPA CE
IF1010	NGAL	Acute kidney injury	Serum: 200ng/mL Urine: 100ng/mL	S/Urine	50-5000ng/mL	10μL	10min	NMPA CE
IF1011	β ₂ -MG	Acute and chronic kidney diseases/tumours	0.8-3.0mg/L	S/P/WB	0.5-20.0mg/L	10μL	3min	NMPA CE
Thyroid Function								
IF1024	TSH	Thyroid malfunction	0.27-4.20μIU/mL	S/P	0.10-50.00μIU/mL	100μL	15min	CE
IF1022	T3	Hyperthyroidism, hypothyroidism	1.30-3.10nmol/L	S/P	0.30-10.00nmol/L	40μL	15min	CE
IF1023	T4	Hyperthyroidism, hypothyroidism	59.0-154.0nmol/L	S/P	5.4-320.0nmol/L	40μL	15min	CE
Tumor Markers								
IF1053	tPSA	Prostate cancer	4.0ng/mL	S/P	0.50-100.00ng/mL	100μL	15min	
IF1072	fPSA	Prostate cancer	1.0ng/mL	S/P	0.10-30.00ng/ml	100μL	10min	
IF1050	AFP	Liver cancer, cancer of ovaries or testicles, etc.	7.0ng/mL	S/P	2.0-500.0ng/mL	100μL	15min	CE
IF1051	CEA	Cancer marker: colon cancer etc.	4.7ng/mL	S/P/WB	2.0-500.0ng/mL	100μL	15min	CE
Metabolic Markers								
IF1031	25-OH-VD	Osteomalacia, osteoporosis	30.0-50.0ng/mL	S/P	8.0-70.0ng/mL	40μL	15min	CE
Reproduction/Fertility								
IF1013	HCG+β	Fertility	5.1mIU/mL	S/P	5-10000mIU/mL	100μL	10min	NMPA CE
IF1055	LH	Homeostasis fertility regulation	Refer to User Manual	S/P	0.2-150.0mIU/mL	100μL	15min	CE
IF1056	FSH	PCOS, infertility evaluation and pituitary disorders	Refer to User Manual	S/P	0.2-150.0mIU/mL	100μL	15min	CE
IF1066	AMH	Fertility, PCOS, gonadal function, precocious/late puberty	Refer to User Manual	S/P	0.10-20.00ng/mL	200μL	15min	CE
IF1048	PRL	Infertility, gonadal disorders	Refer to User Manual	S/P	0.50-200.0ng/mL	100μL	15min	CE
Infectious Disease								
IF1057	Anti-HCV	Hepatitis C	1S/CO	S/P	1.00-20.00S/CO	100μL	15min	
IF1058	Anti-TP	Syphilis	1S/CO	S/P	1.00-50.00S/CO	100μL	15min	
IF1059	Anti-HIV	AIDS	1S/CO	S/P	1.00-1000.00S/CO	100μL	15min	
IF1064	HBSAg	Hepatitis B	1IU/mL	S/P	1.00-100.00IU/mL	100μL	15min	

Coming Soon: IT3, IT4, Prog, H.Pylori, FOB...

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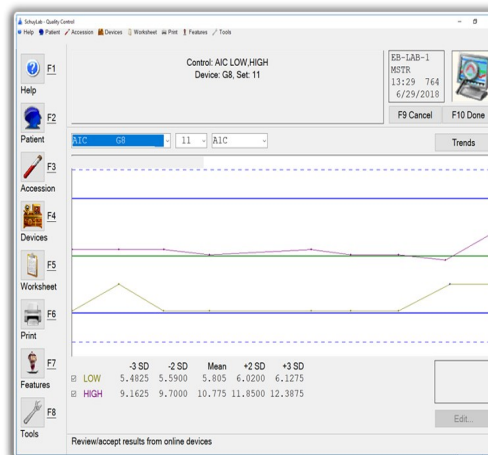
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Accon #000000023 1/03/2019 13:37 @12345678

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ELE	AST	BID	BIT	BSF			
	BSR	BUA	BUN	CAL			
FOBT	CHL	CHO	CKM	CKI			
	CO2	CRT	EGFRM_O	FER			
PSAF	FOLW	GGT	HDL	LDH			
PSASF	LIP	MAG	NH3	PO4			
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