

NOVEL CORONAVIRUS 2019-NCOV LABORATORY TEST EQUIPMENT SOLUTION

The outbreak of pneumonia from Wuhan was caused by a new type of corona virus (2019-nCov). Corona virus is a single-stranded RNA virus that is transmitted between animals. Chinese scholars determined and shared the virus nucleic acid sequence information at the first time, providing a basis for molecular detection and making it possible to quickly identify pathogens.

The WHO published on January 17th the Interim Guidance for Laboratory Testing for New Coronavirus (2019-nCoV) in suspected human cases, recommending four testing protocols: RT-PCR, other nucleic acid detection protocols under development, whole-genome sequencing and serological testing of paired samples.

Following the guide, DLAB offer the complete instrument solution.

LABORATORY BIOSAFETY

Laboratory Safety is always the first important thing to consider in epidemic disease control.

A photograph of the SAFEVAC Vacuum Aspiration System, a white laboratory instrument with a blue liquid reservoir and various tubes and connectors.

SAFEVAC Vacuum Aspiration System
Highly efficient waste collection
Waste management & sterilization process control
Guarantee of laboratory safety

RNA EXTRACTION & PURIFICATION

Swab /cell Lysis /biopsy preparation



dPette Electronic Micropipette

Accurate & precise motor control
Easy blowing and complete mixing

Coronavirus inactivation
Low temperature lysis



HB105-S2/ HB120-S/ HCM100-Pro

Incubation in applicable temperature range

12000g centrifuge at 4°C



D1524R High Speed Refrigerated Centrifuge

Powerful cooling to keep the sample at 4°C
RCF up to 21000g. Inching operation.

Max. speed:15000rpm



D2012 plus High Speed Mini Centrifuge

Available use inside cabinet.
Short-time run function.

Intense vortex mixing



MX-S Adjustable Speed Vortex Mixer

Robust design and complete mixing

REVERSE TRANSCRIPTION

<p>Low temperature</p>		<p>MicroPette Plus 12-Channel Pipette Improve efficiency for higher throughput Direct autoclavable as one piece</p>
<p>Vortex mixing</p>		<p>MX-S Adjustable Speed Vortex Mixer Robust design and complete mixing</p>
<p>Spin and defoam</p>		<p>D1008 Palm Centrifuge Short spin to remove bubbles Up to 32 PCR tubes or 4 x 8-well strip</p>
<p>Incubation at 25, 37, 42, 85, 90, 4°C, etc.</p>		<p>HCM100-Pro Thermo Mix Customizable multi-step programs With rigorous mixing function</p>

SEROLOGICAL TEST FOR ANTIGEN/ ANTIBODY

<p>MX-T6-Pro/S Tube Roller Gentle rolling of blood sample to avoid coagulation</p>	<p>DM0424/0408 Centrifuge One click centrifuge for blood, urine or fecal sample</p>	<p>HCM100-Pro Thermo Mix Immunoassay incubation of antibody and antigen. With rigorous mixing function.</p>

PCR (FOR RESEARCH PURPOSE)

	<p>TC1000-G/S PCR Thermo Cycler</p> <p>Accurate temp control Rapid heating/cooling</p>		<p>GeSMART Image Box</p> <p>Easy acquisition of DNA gel electrophoresis images</p>
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QPCR (FOR RESEARCH PURPOSE)

	<p>Accurate 96 Fluorescent Quantitative PCR Analyzer</p> <p>4/6 channel high speed fluorescence scanning without crosstalk</p> <p>Accurate, uniform and rapid temperature control</p> <p>Lower cycle threshold value for higher detection sensitivity</p>
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OTHER CUSTOMIZABLE SOLUTIONS

With expertise on rapid detection instrumentation based on advanced technologies including microfluidics, DLAB is open to discuss customizable ODM and OEM business with assay developers overseas. Our historical projects involve portable rapid PCR cycler, fast qPCR analyzer and microfluidic cassette chemiluminescence immunoassay analyzer.

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