

DETECTION OF SARS-CoV-2



PT Biosains Medika Indonesia

or Biosm Indonesia is a Company selling field of laboratory equipment, biotechnology, chemicals/reagents, medical devices, and laboratory equipment distributor stocks available are located in Jakarta.

Reagen PCR Kit,
GeneProof - SARS-CoV-2 PCR
Kit - Cat. COV2/GP/100.

Instrument Real Time PCR
Azure Cielo Real-Time
PCR System - Cat. AIQ060.

Reagen Extraction,
PureDireX - Virus Nucleic Acid
Isolation Kit (Column Based) -
Cat. PDC03-0100.

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Instrument Real Time PCR

Azure Cielo Real-Time PCR System - Cat. AIQ060

Product Features

- Accuracy and sensitivity — for your research, with intuitive touch screen software.
- Flexibility—Engineered for a wide variety of qPCR applications, with high sensitivity and wide dynamic range
- Intelligent workflow—Our user interface allows simple touch screen assay setup.
- Saved protocols make assay set up easy and reproducible
- Reliability—Cielo's optics and thermal block are designed to deliver the same uniformity and reproducibility over at least 1000 qPCR experiments, giving you confidence in the reliability of the instrument
- Connectivity—No external PC is required to run the instrument
- Data can be transferred via Ethernet, Wi-Fi or USB

Specification	Azure Cielo 6 Real Time PCR System
Part Number	AIQ060
Product Description	96-well Real-Time PCR Instrument with 10.2" Touchscreen interface 6 dye channel filters
Sample Capacity (wells)	96
Reaction Volume	10-150µl
Excitation Source	LED
Detection Channels	6
Multiplexing	Up to 6 targets
Thermal Element	Peltier
Max. Block Ramp Rate	6°C/sec
Avg. Sample Ramp rate	4°C/sec
Temperature Uniformity	±0.2°C
Temperature Accuracy	±0.1°C
Dye Compatibility	SYBR Green, EvaGreen, FAM, VIC, JOE, HEX, CAL Fluor 540, CAL Fluor Orange 560, ROX, TAMRA, TEX615, Quasar 670, CAL Fluor Red 610, Cy5, LIZ, Mustang Purple, Cy5.5, Quasar 705
CustomDye/Chemistry	v
Chemistry Capability	Fast/Standard
Detection Sensitivity	1 copy
Sensitivity	Detect differences as small as 2-fold in target quantities in singleplex reactions
Connectivity	USB, Wi-Fi, Ethernet



Reagen Extraction

PureDireX - Virus Nucleic Acid Isolation Kit (Column Based) - Cat. PDC03-0100 – 100rxn

The Virus Nucleic Acid Isolation Kit provides a fast, simple, and cost-effective method for the isolation of viral DNA/RNA from cell-free samples such as serum, plasma, body fluids and the supernatant of virus-infected cell cultures.

- Sample: Up to 300 µl of the whole blood
- Sample: Up to 200 µl of virus sample
- Format: Reagent and mini spin column
- Sample material: Serum, plasma, body fluids
- Operation time: 20 minutes
- Elution volume: 50 µl



Reagen PCR Kit

GeneProof - SARS-CoV-2 PCR Kit - Cat. COV2/GP/100 – 100rxn

Unique Specificity and Sensitivity

- Excellent QCMD panel results
- Specificity for only SARS-CoV-2 confirmed, doesn't detect other common coronaviruses

Triple Target Detection

- Three independent targets in one tube
- Avoids false negative results
- Targets: RdRp gene, E gene, N gene (design recommended by WHO)



Specification of GeneProof SARS-CoV-2 PCR Kit

Technology	Real-time PCR
Type of Analysis	Qualitative
Target Sequence	specific region in RdRp gene, E gene and N gene
Analytical Specificity	SARS-CoV-2, 100%
Analytical Sensitivity	reaches up to 75,49 cp/ml using COVID TOUCH PCR program on Qnostics SARS-CoV- Medium Q Control with manual extraction GeneProof PathogenFree RNA Isolation Kit (channel FAM) reaches up to 59,95cp/ml using COVID TOUCH PCR program on Qnostics SARS-CoV- Medium Q Control with manual extraction GeneProof Universal Nucleic Acid Extraction Kit (channel FAM)
EXTRACTION INHIBITION CONTROL	PCR inhibition and RNA extraction efficiency control
VALIDATED SPECIMEN	swab, transport medium
STORAGE	
REQUIRED DETECTION CHANNELS	FAM, HEX, Cy5
REGULATORY STATUS	CE IVD

bit.ly/biosm-dna



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