

# AGS 8830

## AGS 8830-8/ AGS 8830-16 Real-Time PCR Detection System with Detection Kit for 2019-nCoV (PCR-Fluorescence )

**2 steps** from pretreatment to PCR

**0.5 hour** to get result

**Unrestricted** use environment

**UDG enzyme** to anti-pollution



Portable Real-time PCR Instrument:  
**AGS8830-8/AGS8830-16**



Detection Kit  
**DA0990~DA0995**  
Detection Kit for 2019-nCoV  
(PCR-Fluorescence )

Notice: The package picture above  
is not ultimate, only for reference.

### Kit Features

- ORF1ab and N gene
- RNase P as internal control
- Ct cut-off:  $\leq 30$
- LoD: 500 copies/ml
- Throat swab or sputum
- This kit can also compatible with ABI7500, BIO-RAD CFX96, AGS4800

### Operation steps (combine with nucleic acid releasing reagent DA0940)

- Sampling, and inactivation
- Oscillation and stand for 5min, then following centrifuge
- Add extracted sample to PCR tubes with PCR reagent
- Perform PCR, within 0.5 hour to get result

### Parameters

Product model	AGS 8830-8/ AGS 8830-16 Real-Time PCR DetectionSystem
Samples	8/16×0.2ml tubes(5-100μl),compatible to 8-strips tubes and single tube
Sensitivity	10-10 <sup>10</sup> copies
Dyes	F1:FAM,SYBER Green I; F2:HEX,VIC,JOE,TET,YELLOW; F3:ROX; F4:CY5
Optical system	LED+PD, Scanning detection mode to maintain consistency of results and avoid calibration
Lid temperature range	30-110°C
Kit	Compatible with open detection reagents (both conventional quantification and rapid quantification can be used)
Temperature range	30-100°C
uniformity	$\leq \pm 0.1^{\circ}\text{C}$
Heating rate	$\geq 8^{\circ}\text{C/s}(\text{MAX})$
Fluorescence intensity detection repeatability	CV $\leq 0.5\%$
Specification	300*260*180(L*W*H)
Software	The instrument can directly analyze the results and data, and is equipped with a computer version of special analysis software
Touch screen	LED 7-inch color capacitive screen, no need to connect to computer
Certification	<b>NMPA</b>



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