

GENEDIA Quantum COVID-19 Ag

GENEDIA Quantum COVID-19 Ag applies advanced immunofluorescence-based lateral flow technology for the qualitative detection of specific antigens to COVID-19 present in human nasopharyngeal swab and sputum. This assay is designed for professional personnel in laboratory and at point-of-care as an aid in screening patients suspected of being infected and asymptomatic patients. The GENEDIA Quantum COVID-19 Ag should be used with GENEDIA Quantum FR101.

GCMS

GENEDIA Quantum COVID-19 Ag

High sensitivity Quantum dot COVID-19 Ag kit

- World-first Quantum dot-based fluorescent chemistry for the detection of COVID-19
- Objective and accurate result that eliminates the subjectivity of a visual read
- Convenient data management via LIS connectivity

Performance compared with other methods

For COVID-19 Ag		Comparator (RT-PCR)		Total
		Positive (+)	Negative (-)	TOtal
GENEDIA Quantum COVID-19 Ag	Positive (+)	82	0	82
	Negative (-)	8	100	108
Total		90	100	190

· Sensitivity = 91.11% (95% CI : 83.23% - 96.08%)

Specificity = 100.0% (95% CI : 96.38% - 100%)

Agreement: 95.79%



Positive results broken down by days since symptom onset

VEDIA Quantum OVID-19 Ag

5 GCMS

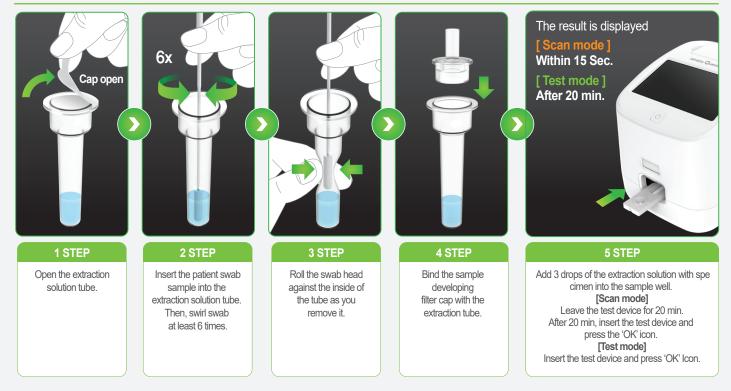
20

Days Since Symptom Onset	RT-PCR Positive (+)	GENEDIA Quantum COVID-19 Ag Positive (+)	PPA (Positive Predictive Agreement)
≤7	41	40	98%
Asymptomatic	25	24	96%

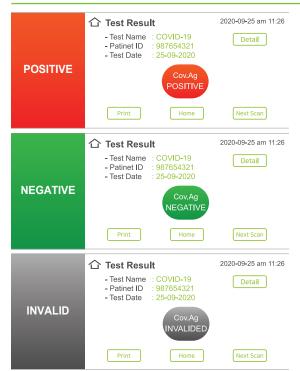
Made in Korea

GENEDIA Quantum COVID-19 Ag

TEST PROCEDURE



INTERPRETATION OF THE RESULTS



MATERIALS PROVIDED



1) Test device : 20 EA

- (2) Extraction solution : 20 EA(10X2)
- ③ Sample developing filter cap : 20 EA
- ④ Sterilized swabs for sample collection : 20 EA
 ⑤ Instructions for use : 1 EA

SPECIFICATION

Method	Immuno-fluorescence chromatography	
Packing unit	20 Tests / kit	
Certification	CE-IVD	
Specimen	Nasopharyngeal swab and sputum	
LOD	6.25X10¹ TCID₅₀/mL	

Ma	nufactu	rer
-	GC	MS

GREEN CROSS MEDICAL SCIENCE

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Running time	20 minutes	
Equipment	GENEIDA Quantum FR101	
Expiry date	12 months from the date of manufacture	
Storage condition	2 ~ 30 °C	