

## Standard Q antigen test Kits Nasopharygeal Swab



Rating: Not Rated Yet

**Price:**

Variant price modifier:

Base price with tax:

Price with discount:

Salesprice with discount:

Sales price:

Sales price without tax:

Discount:

Tax amount:

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Description

**Brand:** Standard Q Antigen Test Kits (SD Biosensor)

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**Features:**

- Fast results within 15 mins
- Easy to use
- Specimen: Nasopharyngeal swab
- Sensitivity: 96.52%, Specificity: 99.68%
- All necessary reagents provided and no equipment needed

**PERFORMANCE CHARACTERISTICS**

**Clinical evaluation**

The sensitivity of the STANDARD Q COVID-19 Ag Test for rapid detection of SARS-CoV-2 antigen was established in prospective, multi institute, randomised, single-blinded studies conducted at a total sites each in Brazil and India during the 2020 SARS-CoV-2 pandemic. A total of 115 positive specimens were tested using the STANDARD Q COVID-19 Ag Test. These specimens consisted of nasopharyngeal swabs from symptomatic patients. The specificity of STANDARD Q COVID-19 Ag Test was tested using 211 negative specimens. The sensitivity and specificity of the STANDARD Q COVID-19 Ag Test was compared to a commercialised molecular assay.

**Test sensitivity & specificity**

The STANDARD Q COVID-19 Ag Test showed 95.24% of sensitivity and 99.08% of specificity.

1. Summary of the sensitivity and specificity of the STANDARD Q COVID-19 Ag Test compared to PCR

STANDARD Q COVID-19 Ag Test		PCR		
		Positive	Negative	Total
	Positive	115	4	119
	Negative	4	200	204
	Total	119	204	323
	Sensitivity	96.64% (111/115, 95% CI 91.33 - 99.04%)		
	Specificity	99.02% (200/201, 95% CI 98.22 - 99.99%)		

**ANALYTICAL PERFORMANCE**

1. Limit of Detection (LOD): The study used "SARS-CoV-2 (2019-nCoV) NCP-4326/2020 (Korea)" strain. The titer of cultured virus was confirmed by PCR. The cell is inoculated and spiked into nasopharyngeal swab specimens. The LOD is  $1.25 \times 10^3$  TCID<sub>50</sub>/mL.

2019-nCoV Strain Tested		NCP-4326/2020 (Korea)							
Stock 2019-nCoV Titer		$1 \times 10^7$ TCID <sub>50</sub> /mL							
Dilution		1/10	1/100	1/200	1/400	1/800	1/1600	1/3200	1/6400
Concentration in Dilution tested (TCID <sub>50</sub> /mL)		$1 \times 10^7$	$1 \times 10^6$	$5 \times 10^5$	$2.5 \times 10^5$	$1.25 \times 10^5$	$6.12 \times 10^4$	$3.06 \times 10^4$	$1.53 \times 10^4$
Call rate of 5 replicates		100% (5/5)	100% (5/5)	100% (5/5)	100% (5/5)	100% (5/5)	88% (4/5)	0% (0/5)	0% (0/5)
Call rate of 20 replicates near cut-off		NA	NA	NA	NA	100% (20/20)	84% (16/20)	0% (0/20)	NA
Lowest Concentration with Uniform Positivity per Assay		$1.25 \times 10^3$ TCID <sub>50</sub> /mL							
Limit of detection (LOD) per Virus Strain		$1.25 \times 10^3$ TCID <sub>50</sub> /mL							

Reviews

There are yet no reviews for this product.