



A spin-off from Institut Pasteur

## END-TO-END SOLUTIONS for the screening of SARS-CoV-2 (COVID-19)

BioSpeedia is a spin-off from Institut Pasteur, the premier non-profit foundation that was founded in 1887 and has since originated 10 Nobel Prizes.

Launched in 2011, the company specializes in rapid tests across various infectious diseases.

### BioSpeedia Overview



BioSpeedia is a French company headquartered at the innovation campus at St Etienne and has privileged access to **CHU of St Etienne, GIMAP and Ecole des Mines** and has a license from the Institut Pasteur granting access to major reagents.



BioSpeedia provides **both Antigen and Antibody** rapid testing kits that are **fast, accurate and reliable**.



BioSpeedia can provide up to **5 million test kits per month for each test** through our existing manufacturing facilities.





## BioSpeedia Rapid Antigen Test



**Description:** This is an immunochromatographic assay designed for the qualitative detection of specific SARS-CoV-2 antigen in human nasopharyngeal swab specimen. It is intended to be used by the professionals as a screening test and as an aid in the early diagnosis of SARS-CoV-2 infection. The test detects the N protein and so forth the new variant of the COVID 19 virus.

### Features

Platform	Immunochromatographic Assay
Format	Cassette
Detection	Specific SAR-CoV-2 antigen
Specimen	Nasopharyngeal swabs
Assay time	5-15 minutes
Shelf life	18 months

**Clinical performance:** A study of 554 patients shows a sensitivity of 97.5% and a specificity of 99.3%. The study was done in 2 French hospitals and abroad also shows higher cut-off versus similar tests. For patients with **mild to moderate symptoms** of less than 7 days, the **sensitivity is 98.8% (85/86) and the specificity is 100% (75/75).**

Results	PCR Positive	PCR Negative	Total	Sensitivity (PPA, Positive Percent Agreement)	Specificity (NPA, Negative Percent Agreement)
Positive	269	2	271	97.5% (269/276)	99.3% (276/278)
Negative	7	276	283		
Total	276	278	554		

### Procedures (Simplified Version)

1



Add 200 µl (~ 8 drops) extraction buffer to the tube

2



Immerse the swab head and mix vigorously at least 10 times

3



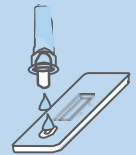
Squeeze liquid from swab and discard the swab head

4



Cover the dripper head and mix thoroughly

5



Add 50 µL (2 drops) to the sample well. Read result in 10-15 minutes

### Result interpretation

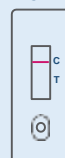
C : Control Line  
T : Test Line

SARS-CoV-2

Negative

Invalid

Invalid



## END-TO-END SOLUTIONS for the screening of SARS-CoV-2 (COVID-19)

### BioSpeedia against SARS-CoV-2



### How to use the Antigen Test





## END-TO-END SOLUTIONS for the screening of SARS-CoV-2 (COVID-19)

### ORDERING INFORMATION



#### BioSpeedia Rapid Antigen Test



Cat. No	Product Description	Test Specimen	Product Format	Intended Use	Storage Temp	Packing Size
BSD_0503-25	COVID19Speed-Antigen (with Nasopharyngeal Swab)	Nasopharyngeal swab sample	Cassette	Coronavirus disease	4-30°C	25 T/ Kit
BSD_0503-10	COVID19Speed-Antigen (with Nasopharyngeal Swab)	Nasopharyngeal swab sample	Cassette	Coronavirus disease	4-30°C	10 T/ Kit

