

List of recommended SARS-CoV-2 antibody and antigen tests

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Antigen tests for professional use with sensitivity \geq 90% AND specificity \geq 99% as claimed in the IFU.

Please note:

At the time this list was compiled, extensive independent validations were scarce for most SARS-CoV-2 antigen tests. Therefore, the sensitivity and specificity values in the list below are taken from the manufacturer's instructions for use and should be interpreted with caution. Antigen test show a large range in sensitivity values that are lower than RT-PCR sensitivity. Real-life performance of antigen tests depends on several factors such as sample type, specimen collection and handling, infection stage and certainly viral load. Antigen tests perform best when the person is tested in the early stages of infection with SARS-CoV-2 when viral load is generally highest. More information on antigen test validation studies can for instance be found at The Foundation for Innovative New Diagnostics (FIND) that is conducting prospective diagnostic evaluation studies in collaboration with multiple, independent sites to determine the accuracy of COVID-19 antigen rapid tests.

Precise knowledge of testing circumstances, test performance characteristics and specific patient's clinical conditions are imperative for a correct interpretation of antigen test results. The tests on this list are for professional use only and cannot be used or sold as self-tests.

If a test is also taken up in the common Health Security Committee (HSC) list (column G), it can be used in the context of the EU Digital Green Certificate ('test certificate').

Manufacturer	Test	Sensitivity	Specificity	Specimen type	Test ID in JRC database	Test on common HSC list?
AAZ	COVID-VIRO	96,6	100,0	NP swab	1833	Yes
Abbot	PANBIO COVID-19 Ag rapid test device	98,1/93,3	99,8/99,4	Nasal swab/NP swab	1232	Yes
ACON Biotech (Hangzhou)	Flowflex SARS-CoV-2 Antigen Rapid Test	97,1	99,4	Nasal swab/NP swab	1468	Yes
ACRO Biotech	COVID-19 Antigen Rapid Test (Oral Fluid)	90,3	99,3	Saliva	1949	No
ACRO Biotech	SARS-CoV-2 Antigen Rapid Test (Swab)	94,6	99,4	Nasal swab	1688	No
AMEDA Labordiagnostik	AMP Rapid Test SARS-CoV-2 Ag	97,3	100,0	NP swab	1304	Yes
Anhui Deepblue Medical Technology	COVID-19 (SARS-CoV-2) Antigen Test Kit (Colloidal Gold)	95,7/96,4	99,3/99,8	NP swab/OP swab	1736	Yes
Ardi Research	CoVard COVID-19 Antigen Rapid Test	96,4/97,1	99,8/99,8	Nasal swab/Saliva	1589	No
ATLAS Medical	Covid-19 Antigen Rapid Test Cassette	96,7	99,0	NP swab	-	No
Beijing Beier Bioengineering	COVID-19 Antigen Rapid Test Kit	92,4	99,1	NP swab	-	No
Beijing Hotgen Biotech	Novel coronavirus 2019 n-CoV Ag Test	96,5	99,7	Nasal swab/NP swab/OP swab	1310	No
Beijing Lepu Medical	SARS-CoV-2 Antigen Rapid Test Kit	98,6/97,3	100/99,2	Nasal swab/OP swab	1870	Yes
Biosynex	BIOSYNEX COVID-19 Ag BSS	92,0	99,3	Nasal swab	1331	No
Biotech Health	SARS-CoV-2 Ag CARD	96,0	100,0	NP swab	1223	Yes
Cer7est BIOTEC	OneStep SARS-CoV-2 Ag card	92,9	99,6	NP swab	2013	No
Changzhou Biowin Pharmaceutical Co	Novel Coronavirus (COVID-19) Antigen Test Kit (Colloidal Gold)	92,9	99,6	NP swab	1173	Yes
Chil Tibbi Mal. San. Tic.	CHIL COVID-19 Antigen Rapid Test	95,6	99,0	Nasal swab	-	No
Citest Diagnostics	COVID-19 Antigen Rapid Test (Swab)	99,0/99,0/98,0	99,6/99,6/99,6	NP swab/OP swab/Nasal swab	1691	No
Coris BioConcept	Covid-19 Ag Respi-strip with reference C-1123 (for dry swab procedure only)	96,4/92,9	99,0/100	NP swab/NP swab	1387	No
Cypress Diagnostics	COVID-19 Ag Rapid Test	91,2	99,4	NP swab	133	No
Dialab	Diagquick Covid-19 Ag Cassette Z20401CE	93,0	100,0	NP swab	-	No
Dialab	Diagquick Covid-19 Ag Cassette Z20601CE	93,2	100,0	NP swab	-	No
DiaSorin	LIAISON SARS-CoV-2 Ag	96,4	99,2	NP swab	1375	Yes
DiaSource	Covid-19 Antigen Rapid Test	97,1/94,6	100,0/99,5	NP swab/Nasal swab	1960	Lab test
Dynamiker	Dynamiker SARS-CoV-2 Ag Rapid Test	96,4	99,2	NP swab	1792	No
Generic Assays	GA CoV-2 Antigen Rapid 3980	95,0	99,1	Nasal swab/OP swab	1250	No
Genrei Biotech	SARS-CoV-2 Antigen Test Kit (Colloidal Gold)	96,4	99,2	Nasal swab	1580	No
Genrei Biotech	One Step Test for SARS-CoV-2 Antigen (Colloidal Gold)	95,0	99,0	NP swab/OP swab	2012	Yes
Goldsite Diagnostics	SARS-CoV-2 Antigen Kit (Colloidal Gold)	97,1	99,0	Nasal swab	2183	Yes
Green Cross Medical Science Corp.	Genedia W Covid-19 Ag	93,0	100,0	Nasal swab	1197	Yes
Guangdong Longsee Biomedical	2019-nCoV Ag Rapid Detection Kit(Immuno-Chromatography)	90,2	100,0	NP swab	1144	Yes
Guangzhou Wondfo Biotech	Wondfo SARS-CoV-2 Ag Test	95,2/94,7	99,7	NP swab/OP swab	1216	Yes
Hangzhou Alltest Biotech	COVID-19 Antigen Rapid Test (Nasopharyngeal Swab)	96,2	99,7	NP swab/OP swab	1214	No
Hangzhou Alltest Biotech	COVID-19 Antigen Rapid Test (Oral Fluid)	90,4	99,5	NP swab	1257	Yes
Hangzhou Biotest Biotech	SARS-CoV-2 Antigen Rapid Test (Nasal Swab)	90,1	99,3	Saliva	1947	No
Hangzhou Biotest Biotech	SARS-CoV-2 Antigen Rapid Test Cassette	93,4	100,0	Nasal swab	1946	No
Hangzhou Clongene Biotech	Lungene Covid-19 Ag Rapid Test	95,0	99,2	NP swab	1868	No
Hangzhou Genesis Biotechnology and Biocontrol	Kaibili COVID-19 Antigen	91,4	100,0	NP swab/OP swab	1610	Yes
Hangzhou Genesis Biotechnology and Biocontrol	Kaibili COVID-19 Antigen Neo	96,6	100,0	Nasal swab	2085	No
Hangzhou Realy Tech	Novel coronavirus (SARS-CoV-2) Antigen Rapid Test Cassette (swab)	96,2	100,0	NP swab/OP swab	1220	No
Hangzhou Realy Tech	Novel Coronavirus (SARS-CoV-2) Antigen Rapid Test Device	92,9 (Ct<30)	99,6	Saliva	1796	No
Hangzhou Realy Tech	Novel Coronavirus (SARS-CoV-2) Antigen Rapid Test Device (nasal swab)	95,4	100,0	Nasal swab	2018	No
Hangzhou Zeyu electronics & Instruments	SARS-CoV-2 Antigen Rapid Test Cassette	97,4/97,4/95,8/95,7	99,1/99,1/99,4/99,3	Nasal swab/NP swab/OP swab/Saliva	1952	No
Hangzhou York Biotech	SARS-CoV-2 Antigen Rapid Test Kit	94,6	100,0	NP swab	-	No
Healgen Scientific (distributed by Humasis	CLINITEST Rapid COVID-19 Antigen Test	98,3/97,3	99,6/100	NP swab/Nasal swab	1218	Yes
InTec products Inc	Covid-19 Ag Rapid Test	95,5	100,0	NP swab	1263	Yes
Jiangsu Konsung Bio-Medical Science and Technology	Rapid SARS-CoV-2 Antigen Test	96,3/99,5	100/99,6	NP swab/Nasal swab	1783	No
Jiangsu Medomics Medical Technology	COVID-19 Antigen Rapid Test Kit (Colloidal Gold)	97,5/98,3/99,0	99,1/99,2/99,5	Nasal swab/NP swab/OP swab	1899	No
Jiangsu Medomics Medical Technology	COVID-19 Salivary Antigen Rapid Test Kit (Colloidal Gold)	96,3	99,3	Saliva	1924	No
JOYSBIO (Tianjin) Biotechnology	SARS-CoV-2 Antigen Rapid Test Kit (LFIA)	97,7/95,54	99,51/99,04	NP swab+ OP swab/nasal swab	2006	Yes
LiClear Biotech (Hangzhou)	SARS-CoV-2 Antigen Rapid Test Kit (Colloidal Gold)	95,1	100,0	Saliva	1764	Yes
LumiQuick Diagnostics	SARS-COV-2 Nucleocapsid (N) Antigen Rapid Test Cassette	95,1	99,3	NP swab	-	No
MEDsan	QuickProfile COVID-19 Antigen Test Strip	94,0	99,0	NP swab	1267	Yes
MP Biomedicals	SARS-CoV-2 Antigen Rapid Test	92,5	99,8	Nasal swab/OP swab	1180	Yes
Multi-G	Rapid SARS-CoV-2 Antigen Test Card	96,4	99,0	NP swab/OP swab	1481	Yes
MyLab Discovery Solutions Pvt nal von minden	Covid19CHECK-GEN	92,5	99,2	NP swab/OP swab	-	No
MyLab Discovery Solutions Pvt nal von minden	Covid19CHECK-NAS (COVID-19 antigen rapid test cassette)	98,1	99,2	Nasal swab	-	No
MyLab Discovery Solutions Pvt nal von minden	Covid19CHECK-SAL (Sars-Cov-2 Antigen Rapid Test)	96,8 (Ct<33)	99,1	Saliva	-	No
Nanjing Vazyme Medical Technology	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antigen Detection Kit (Colloidal Gold-Based)	92,0	100,0	Nasal swab/OP swab	1162	Yes
NanoEntek	FREND COVID-19 Ag	97,6	99,9	NP swab/OP swab	1849	No
Nantong Diagnosis Biotechnology	Covid-19 Antigen Saliva Test Kit (Colloidal Gold) (Cassette)	94,7	100,0	NP swab	1420	Yes
New Gene (Hangzhou) Bioengineering	Covid-19 Antigen Test Kit (Colloidal Gold)	98,1	99,3	Saliva	1617	No
ONCOSEMI Onkolojik Sistemler San. ve Orto-Clinical Diagnostics	Covid-19 Antigen Detection Kit	98,8/98,5	100,0	NP swab/OP swab	-	No
PCL	2019-nCoV Antigen Rapid Test Kit	97,3/95,7/95,1	99,9/99,1	Nasal swab/OP swab/Sputum	1501	Yes
Prestige Diagnostics	2019-nCoV Antigen Rapid Test Kit	97,6	99,3	NP swab	-	No
PRIMA Lab	VITROS SARS-CoV-2 Antigen test	97,8	99,2	NP swab	1200	No
Qingdao Hightop Biotech	PCL COVID19 Ag Gold	90,8 (Ct<30)/91,7	99,5/100	Saliva/NP swab	1758	No
Quidel	2019-nCoV Antigen Device	90,9	99,1	NP swab	1202	No
Roche Diagnostics	PRIMA COVID COVID-19 Antigen Rapid Test	96,4/92,9	99,2/100	NP swab/Nasal swab	1797	No
SD Biosensor (distributed by Roche)	SARS-CoV-2 Antigen Rapid Test (Immunochromatography)	92,7/95,0/95,0	99,8/99,8/99,8	Nasal swab/NP swab/OP swab	1341	Yes
Shenzhen Huian Biosci Technology	Sofia SARS Antigen FIA	96,7	100,0	NP swab/Nasal swab	1097	Yes
Shenzhen Landwind Biotechnology	Sofia 2 Flu + SARS Antigen FIA	95,2	100,0	NP swab/Nasal swab	-	No
Shenzhen Lvshiyuan Biotechnology	Elecsys SARS-CoV-2 Antigen	94,5	99,9	NP swab/OP swab	2156	Lab test
Shenzhen Ultra Diagnostics Biotech	SARS-CoV-2 Rapid Antigen Test	96,5	99,7	NP swab	1604	Yes
Shenzhen YHLO Biotech Co	SARS-CoV-2 Antigen Test Kit (Colloidal Gold)	94,6	99,1	Nasal swab	-	No
Surescreen	SARS-CoV-2 Antigen Test Kit (Colloidal Gold)	95,7	99,2	Nasal swab	-	No
Todapharma	Green Spring SARS-CoV-2 Antigen-Rapid Test Kit (Colloidal Gold)	96,8/98	100,0	Nasal swab/NP swab	2109	Yes
Ulti med Products	Fluorecare SARS-CoV-2 Test Kit	98,6/100	100,0	NP swab/Nasal swab	1967	Yes
Van Oostveen Medical	Fluorecare SARS-CoV-2 Spike Protein Test Kit	98,6	100,0	NP swab	1228	No
VivaChek Biotech	SARS-CoV-2 Antigen Test kit (SCO201 + SCO202)	92/100/96	100,0	NP swab/OP swab/Saliva	-	No
Wenzhou OJA Biotechnology	SARS-CoV-2 Antigen Test kit (SCO203 + SCO204)	92,95,7/97,3	100/99/99	NP swab/OP swab/Sputum	-	No
Xiamen Boson Biotech	GLINE-2019-nCoV Ag	96,5/97,4	99,3/99,3	NP swab/Nasal swab	1347	No
Zhenjiang Anji Saiifu Biotech	COVID-19 Coronavirus Rapid Antigen Test Cassette	93,3	100,0	NP swab/OP swab	1275	Yes
Zhenjiang Orient Gene Biotech	TODA Coronadiag Ag	96,6	100,0	NP swab/OP swab	1466	No
Zhenjiang Orient Gene Biotech	COVID-19 Antigen Test (Nasopharyngeal Swab)	96,4	99,2	NP swab	1455	No
Zhenjiang Orient Gene Biotech	COVID-19 and Influenza A+B Antigen Combo Rapid Test (Nasopharyngeal Swab)	96,4	99,2	NP swab	1391	No
Zhuaihai Lituo Biotechnology	COVID-19 Antigen Detection Kit (Colloidal Gold)	96,4/96,9/96,0/93,3	99,5	OP swab/NP swab/Nasal swab/Saliva	1957	Yes