

Table 1 Pipettecomment RL

Supplier in Switzerland	Test-kit	Targets						Reported impact of VOC on signal detection of the S-gene target
		ORF1ab	RdRp	S	E	M	N	
Abbott	Abbott RealTime SARS-CoV-2 (#09N77-095)	0	1	0	0	0	1	No S-gene target
Abbott	ALINITY m SARS-COV-2 ASSAY (#09N78-095)	0	1	0	0	0	1	No S-gene target
Altona	Altona "RealStar® SARS-CoV-2 RT-PCR" (#821005)	0	0	1	1	0	0	No impact
Axon Lab / Cepheid	Gene Xpert® Xpress SARS-CoV-2 (#12039255)	0	0	0	1	0	1	No S-gene target
Axon Lab	BioGX SARS-CoV-2 kit (#444213)	0	0	0	0	0	2	No S-gene target
Axon Lab	EASY® SARS-CoV-2 Kit (#RT020)	0	1	0	0	0	1	No S-gene target
Axon Lab	Hi-PCR® Coronavirus (SARS-CoV-2) Probe PCR Kit (#MBPCR242)	0	1	0	0	0	0	No S-gene target
Axon Lab	NaGene Multiple Real-Time PCR kit for Detection of 2019-nCoV	1	0	0	0	0	1	No S-gene target
Axon Lab	Progenie Coronavirus 2019-nCoV Assay (#CORO-UX 5.2)	0	0	0	0	0	1	No S-gene target
Becton Dickinson	ViaSure SARS-CoV-2 (N1+N2) Real Time PCR (#444215)	0	0	0	0	0	2	No S-gene target
Becton Dickinson	ViaSure SARS-CoV-2 S gene Real Time PCR (#444212)	0	0	1	0	0	0	Detection compromised*
Becton Dickinson	ViaSure SARS-CoV-2, Flu (A+B) & RSV Real Time PCR Detection Kit (#444217)	0	0	0	0	0	2	No S-gene target
bioMérieux	BIOFIRE® COVID-19 test (#423744)	1	0	0	0	0	0	No S-gene target
bioMérieux	BIOFIRE® FILMARRAY® Respiratory Panel 2.1+ (RP2.1+) (#423740)	0	0	1	0	1	0	No impact
bioMérieux	SARS-COV-2 R-GENE® (#423720)	0	1	0	1	0	1	No S-gene target
Bühlmann	Seegene Allplex™ 2019-nCov (#RP10243X) (older Kit)	0	1	0	1	0	1	No S-gene target
Bühlmann	Seegene Allplex™ SARS-CoV-2 (#RV10248X) (newer kit)	0	1	1	1	0	1	2x 1-mer mismatch**
Bühlmann	Seegene Allplex™ SARS-CoV-2/Flu A/Flu B/RSV Assay (#RV10259X)	0	1	1	0	0	1	1x 1-mer mismatch**
DiaSorin	Simplexa™ COVID-19 Direct (#MOL4150)	1	0	1	0	0	0	No impact
Hologic	Panther® Fusion SARS-CoV-2 (#AW-21159-001)	2	0	0	0	0	0	No S-gene target
Hologic	Aptima® SARS-CoV-2 Assay (#PRD-06419)	2	0	0	0	0	0	No S-gene target
Hyris	SARS-CoV-2 human diagnostics (#bKTH-SCV2.02)	0	0	0	0	0	2	No S-gene target
FRIZ Biochem	COVID-19 direct RT-PCR (#FBC101)	0	0	0	1	0	1	No S-gene target
Lubioscience	2019-nCoV CDC EUA Kit (#10006606)	0	0	0	0	0	2	No S-gene target
Qiagen	QiaStat-Dx Respiratory SARS-CoV-2 Panel (#691223)	0	1	0	1	0	0	No S-gene target
Qiagen	NeuMoDx SARS-CoV-2 Assay (#300800)	1	0	0	0	0	1	No S-gene target
Qiagen	SARS-CoV-2 N1+N2 Assay Kit (#222015 or #222017)	0	0	0	0	0	2	No S-gene target
Roche Diagnostics	cobas® 6800/8800 SARS-CoV-2 (#09175431190)	1	0	0	1	0	0	No S-gene target
Roche Diagnostics	cobas® 6800/8800 SARS-CoV-2 & Influenza A/B (#09233474190)	1	0	0	1	0	0	No S-gene target
Roche Diagnostics	cobas® Liat SARS-CoV-2 & Influenza A/B (#09211101190)	1	0	0	0	0	1	No S-gene target
Sansure	Novel Coronavirus (2019-nCoV) Nucleic Acid Diagnostic Kit (#S3104E)	1	0	0	0	0	1	No S-gene target
Siemens Healthineers	FTD SARS-CoV-2 qPCR Test (#11416302)	1	0	0	0	0	1	No S-gene target
TECOmedical	PathoFinder RealAccurate® Quadruplex SARS-CoV-2 PCR Kit (#PF0971C-R)	0	1	0	0	0	1	No S-gene target
TECOmedical	Eurobio Scientific EurobioPlex SARS-CoV-2 Multiplex (#EBX-041-192)	0	2	0	0	0	1	No S-gene target
Thermo Fisher	TaqPath™ COVID-19 Combo Kit (#A48067)	1	0	1	0	0	1	S-gene drop out
Thermo Fisher	TaqPath™ COVID-19, FluA/B, RSV (#A49867)	0	0	1	0	0	1	No impact
TibMolBio	LightMix® Modular Sarbecovirus SARS-CoV-2 (#50-0776-96)	0	1	0	1	0	1	No S-gene target

*PCR-Kit not available anymore on the Swiss market.

**Mismatch not detectable because both the S-gene and the RdRp-gene targets are detected using the same fluorescence channel.