

*Comparison of 3 COVID19 kits

Company	SolGent co., Ltd	1drop	Seegene
Product	DiaplexQ Novel Coronavirus(2019-nCoV) Detection kit	1copy™ COVID-19 qPCR kit	Allplex™ 2019 nCoV Assay
Product Type	Real-time PCR kit	Real-time PCR kit	Real-time PCR kit
Certification	CE-IVD; Korea MFDS-EUA	CE-IVD; Korea MFDS-EUA	CE-IVD; Korea MFDS-EUA
Target	Viral RNA	Viral RNA	Viral RNA
Turn around time	1 hour and 40 minutes	1 hour and 30 minutes	1 hour and 50 minutes
Limit of Detection	40 copies/rxn	4 copies/rxn	100 copies/rxn
Singularity	N/A	Using Rnase(1copy™ Tech.)	N/A
Product Contents	a. 2x Onestep qRT-PCR Buffer (2019-nCoV) x1 b. OneStep qRT-PCR Enzyme mix (2019-nCoV) x1 c. Primer&Probe Mixture (2019-nCoV) x1 d. Control Template (2019-nCoV) x1 e. Rnase Free Water x1	a. Master mix x2 b. Primer/Probe mix1(E gene) x1 c. Primer/Probe mix2(RdRP gene) x1 d. Control 1 (E gene) e. Control 2 (RdRp gene) f. DEPC water	a. Master mix x5 b. OneStep Enzyme mix c. Primer/Probe mix1x1 d. Primer/Probe mix2x1 e. Control 1 f. Control 2 g. DEPC water