

TNS Co., Ltd (BioTNS) is founded since 2011 with goal to achieve more comfortable and more accurately detectable diagnostic system development.

BioTNS expands our horizon range from disease diagnostic not only human disease for example food poisoning but also aquatic animal disease for instance Red Sea bream Iridoviral disease to species detection of bacteria, virus and animal.

All of these contents developed following to take our own line on technical training and improving method for various Real-time PCR and reverse transcription(RT) PCR techniques, based on SYBR intercalator, TaqMan probe, and PNA (peptide nucleic acid).

We catch the many chances to gain many experiences of researching and development various contents broad ranges and co-working achievements with Public institutions including Korea National Fishery Products Quality Management Service (NFGS) and Korea National Institute of Fisheries Science, also involved many National research projects reporting meaningful business performances. In other words, It means that BioTNS has not only very strong potential in this area but also high reliability about our own performance results.

Also, BioTNS currently has EIGHTEEN patents registration, TWENTY-SEVEN patents application and SIX technology transfers.

With confidence and proud of our own growing step for achieving our aims that more comfortable and more accurately detectable diagnostic system development, BioTNS looks forward to being known about our ability for developing suitable diagnostic system to large range of and satisfying various needs with our products.

Following our brand names meaning, BioTNS will always do our best with 'Technology and Science' in diagnostic system field.

BioTNS Development Products

- SKATE detection Kit (7 species detectable)
- STX1 detection kit
- Superbacteria VRE/CRE detection kit
- Tetracyclin resistance gene detection kit (tet A, B, M, Y) , etc.



BioTNS



COVID-19 RT-PCR PNA KIT

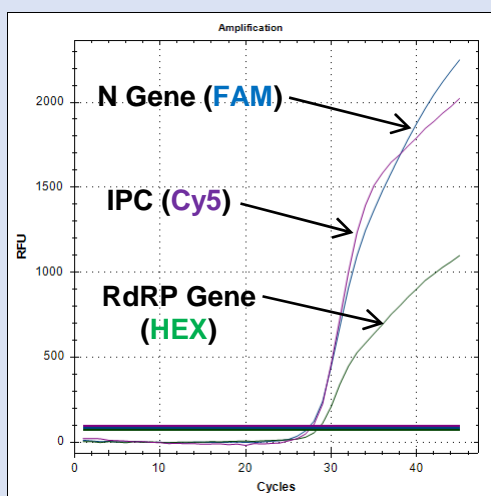
For use only *in vitro* diagnostic

BioTNS's COVID-19 assay

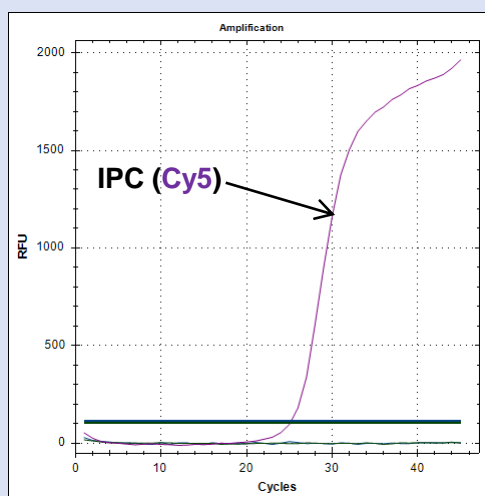
- The COVID-19 RT-PCR PNA KIT is intended for the qualitative detection of nucleic acid from the SARS-CoV-2 known as SARS-2019-nCoV(N gene and RdRP gene), novel coronavirus in respiratory specimens such as nasopharyngeal, oropharyngeal, nasal, and mid-turbinate nasal swabs, broncho alveolar lavage and sputum collected from individuals who are suspected of COVID-19 with presenting clinical signs or meeting COVID-19 epidemiological criteria.
- The Kit specially using PNA(Peptide nucleic acid)probe, that false-positive is not produced oppositely which method using the TaqMan probe is possible to.



Example of Result



- SARS-CoV-2 Positive-



- SARS-CoV-2 Negative-

Information of KIT Component

Cat. No	Component	Description	Cap/Tube	Quantity
TD1101	2X RT qPCR PreMix	Reverse transcriptase Taq polymerase PCR buffer	Clear tube / Blue cap ●	1000 μ l/vial X 1ea
TD1102	COVID-19 mix	Primer, Probe mixture for SARS-CoV-2 and IPC(HuPO)	Amber tube / Amber cap ●	500 μ l/vial X 1ea
TD1103	Positive control	Template for SARS-CoV-2 and IPC	Clear tube / Yellow cap ●	150 μ l/vial X 1ea
TD1104	Negative control	Nuclease free Distilled Water	Clear tube / White cap ○	150 μ l/vial X 1ea

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