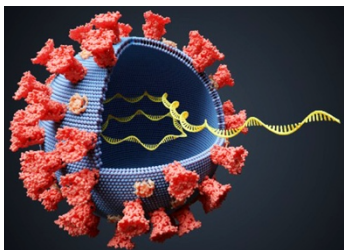


# VereRT™ Duo COVID-19 PCR Kit

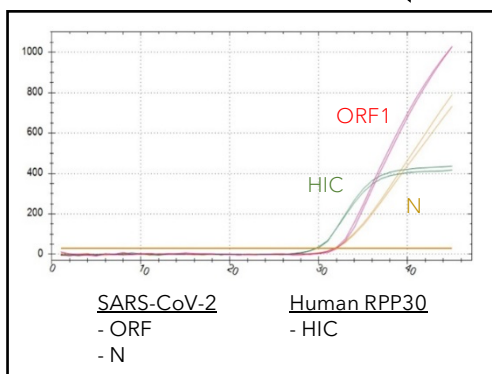
Cat. No. VCH3-CA200



VereRT™ Duo COVID-19 PCR Kit is a one-step Reverse Transcription Polymerase Chain Reaction (RT-PCR)-based *In Vitro* Diagnostic (IVD) COVID-19 test intended for the qualitative detection of nucleic acid belonging to SARS-CoV-2. This test specifically targets both viral N and ORF1 gene with FAM and Cal Red fluorescence, respectively. Human Internal Control (HIC) using human RPP30 gene is included with HEX (VIC) fluorescence. VereRT™ Duo COVID-19 PCR Kit is suitable for use with extracted SARS-CoV-2 RNA from human nasopharyngeal swab specimens.



Diagnostic Testing with  
**VereRT™ Duo COVID-19 PCR Kit**



Class D IVD  
Approved by HSA Singapore



SampleType	Extracted RNA belonging to SARS-CoV-2
Targets	<u>FAM Channel</u> <ul style="list-style-type: none"> <li>• N gene (SARS-CoV-2) target</li> </ul> <u>Cal Red Channel</u> <ul style="list-style-type: none"> <li>• ORF1 gene (SARS-CoV-2) target</li> </ul> <u>HEX Channel</u> <ul style="list-style-type: none"> <li>• Human RPP30 as Human Internal Control (HIC)</li> </ul>
Run Time	Time to result within 1.5 hours from start of test <ul style="list-style-type: none"> <li>• Able to detect SARS-CoV-2 in less than 40 min cycle time</li> <li>• Uninfected sample can be confirmed by 90 min cycle time</li> </ul>
Sensitivity (LoD)	2 viral RNA copies per test
Specificity	No cross-reactivity with human genome/other coronaviruses/respiratory viruses
Clinical Performance	<ul style="list-style-type: none"> <li>• 100.0% Clinical Sensitivity</li> <li>• 99.3% Clinical Specificity</li> </ul>
Unique Feature	M Buffer to lift PCR inhibitory effect to facilitate direct RT-amplification of SARS-CoV-2 RNA
Kit Content	<ul style="list-style-type: none"> <li>• VRTD MM (Enzyme Master Mix)</li> <li>• VRTD PPM (Primer Probe Mix)</li> <li>• VRTD M Buffer (Proprietary Buffer)</li> <li>• VRTD PC (Positive Control)</li> </ul>
Pack Size	200 reactions per kit
Storage	-20°C freezer
Compatible Real-Time PCR Instrument	<ul style="list-style-type: none"> <li>• Bio-Rad CFX96 Touch Real-time PCR System</li> <li>• QuantStudio Real-time PCR System</li> <li>• ABI 7500 Real-Time PCR System</li> </ul> Any qPCR thermal cycler with FAM, CalRed (JUN), HEX (VIC) fluorescence channel