

Biosewoom Real-Q 2019-nCoV Detection Kit uses Human RNase P gene

as endogenous control( Internal Control for Process Quality), so RNA can be extracted and tested directly from the sample without the need for additional addition.

[Real-Time RT-PCR Panel for Detection 2019-Novel coronavirus] \* published by the CDC in the United States, "Assay Controls" on page 5 suggests that all clinical samples be tested for Human RNase P for quality control

\*<https://www.cdc.gov/rt-pcr-panel-for-detection-instructions> (CDC).pdf

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#### Assay Controls

- Assay controls should be run concurrently with all test samples.
- PTC - positive template control with an expected Ct value range
- NTC - negative template control added during rRT-PCR reaction set-up
- HSC – human specimen extraction control extracted concurrently with the test samples; provides a nucleic acid extraction procedural control and a secondary negative control that validates the nucleic extraction procedure and reagent integrity
- RP - all clinical samples should be tested for human RNase P (RNP) gene to assess specimen quality
- **Note:** Keep running logs of PTC performance. After each rRT-PCR run of clinical samples, the control Ct values should be recorded.