

## Supplemental information

### 2019-CoV Plasmid Controls

#### Description

Control plasmids contain the complete envelope gene and a portion of the RNA-dependent RNA polymerase (RdRP) from 2019-nCoV. The 2019-nCoV Charité/Berlin qPCR Probe Assays target regions within the nCoV envelope gene and the RdRP gene which are present in the 2019-nCoV\_E Positive Control and 2019-nCoV\_RdRP positive control plasmids.

#### Contents

Controls are delivered at a concentration of 200,000 copies/ $\mu$ L in IDTE pH 8.0.

#### Storage conditions

The Plasmid Controls should be stored at  $-15$  to  $-30^{\circ}\text{C}$  in a constant temperature (non-frost-free) freezer through the expiration date provided on the Certificate of Analysis (CoA). The CoA can be found at <https://www.idtdna.com/pages/support/certificate-of-analysis-search>.

#### Supplemental information for use

Repeated freeze-thaw should be avoided. Smaller aliquots can be created as needed based on use.

Plasmid Controls can be diluted to lower concentrations using IDTE, pH 8.0 (10 mM Tris, 0.1 mM EDTA, pH 8.0) as needed for experimental requirements. Diluted controls should be prepared fresh at time of use.

A general recommendation for plasmid positive control concentration is 1000 copies, or 5  $\mu$ L of a 200 copy/ $\mu$ L dilution.

Please be advised that the use of a circularized plasmid control may result in variation with the observed Limit of Detection when compared to Limit of Detection reported for linear RNA controls.

For research use only.

For additional information or assistance, visit [www.idtdna.com](http://www.idtdna.com) or email us at [applicationsupport@idtdna.com](mailto:applicationsupport@idtdna.com).