

Supplemental information

2019-CoV Plasmid Controls

Description

Plasmid Controls contain the complete nucleocapsid gene from 2019-nCoV, SARS, and MERS virus. The 2019-nCoV CDC qPCR Probe Assays target regions within the 2019-nCoV nucleocapsid gene, which is present in the 2019-nCoV_N Positive Control plasmid. The Hs_RPP30 control contains a portion of the RPP30 gene, a single copy gene present in the human genome.

Contents

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

Storage conditions

The Plasmid Controls should be stored at -15 to -30°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 μ l of a 200 copy/ μ 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 or email us at applicationsupport@idtdna.com.