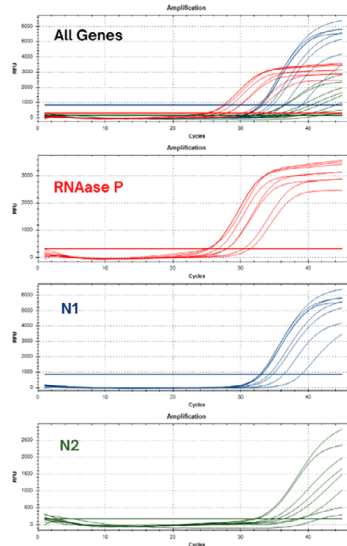
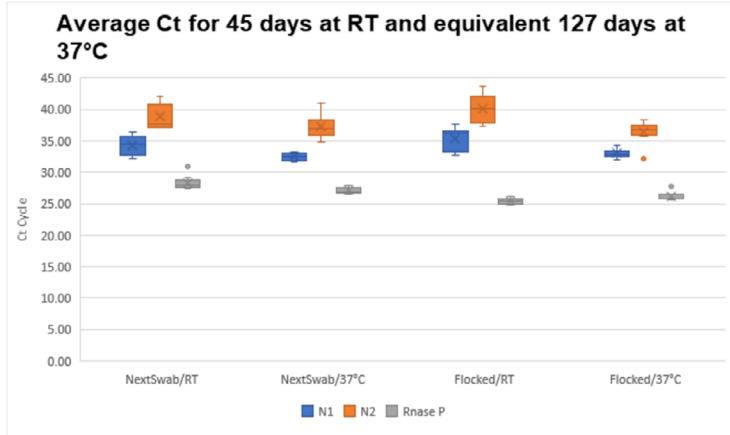




# iSWAB™ - Microbiome-EL (Extraction-Less)

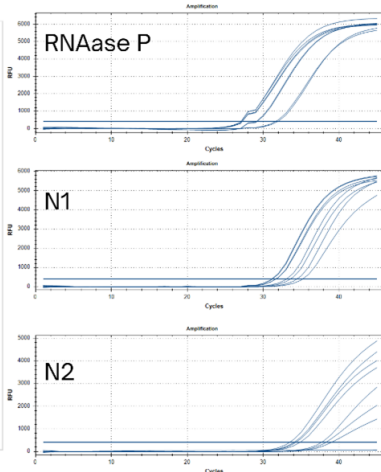
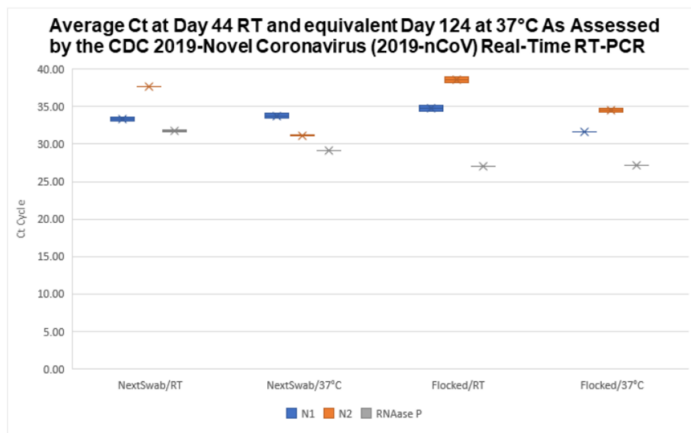
## Skip Viral RNA Extraction Prior to COVID-19 Molecular Testing

### Bio-Rad's Reliance SARS-CoV-2 RT-PCR Assay Kit Performance with iSWAB-Microbiome-EL



Average Ct cycle at which SARS-CoV-2 genes N1 and N2 were detected along with the Rnase P gene across 45 days in nasal samples collected either with the molded NextSwab swab or with a standard flocked swab and spiked with 110 cp/μl of heat-inactivated virus, at room temperature and at 37°C. The latter is equivalent to 127 days at ambient (room) temperature. On the right panel, amplification plots of all three genes, of SARS-CoV-2 gene N1 (FAM channel), of SARS-CoV-2 gene N2 (HEX channel), and of human Rnase P gene (Texas Red Channel), at Day 45 after sample collection. SARS-CoV-2 was consistently detected (Ct values ≤40 for SARS-CoV-2 specific genes N1 and N2) across 45 days at room temperature and at 37°C directly from iSWAB-Microbiome-EL stabilization buffer, without the need of laborious RNA extraction and in the presence of background human RNA. No PCR inhibition was observed for all conditions tested, as assessed by amplifying the human Rnase P gene, whose Ct value remained stable for 45 days.

### CDC 2019-Novel Coronavirus (2019-nCoV) Real-Time RT-PCR Diagnostic Panel Assay using Applied Biosystems™ TaqPath™ 1-Step Multiplex Master Mix Performance with iSWAB-Microbiome-EL



Average Ct cycle at which SARS-CoV-2 genes N1 and N2 were detected along with the Rnase P gene at days 44 in nasal samples collected either with the molded NextSwab swab or with a standard flocked swab and spiked with 110 cp/μl of heat-inactivated virus, at room temperature and at 37°C. The latter is equivalent to 124 days at ambient (room) temperature. The right panel shows amplification plots of all three genes assessed by the panel including: SARS-CoV-2 gene N1 (FAM channel), of SARS-CoV-2 gene N2 (FAM channel), and of human Rnase P gene (Fam Channel) at Day 44 after sample collection. SARS-CoV-2 was consistently detected (Ct values ≤40 for SARS-CoV-2 specific genes N1 and N2) across 44 days at room temperature and at 37°C directly from iSWAB-Microbiome-EL stabilization buffer, without the need of laborious RNA extraction and in the presence of background human RNA. No PCR inhibition was observed for all conditions tested, as assessed by amplifying the human Rnase P gene, whose Ct value remained stable for 44 days.

Catalog No.	Description
ISM-T-EL	iSWAB-Microbiome-EL collection tube, 800ul
NextSWAB-1	NextSwab Universal Sterile Sampling Applicator (1 swab/pouch)
NextSWAB-2	NextSwab Universal Sterile Sampling Applicator (2 swabs/pouch)