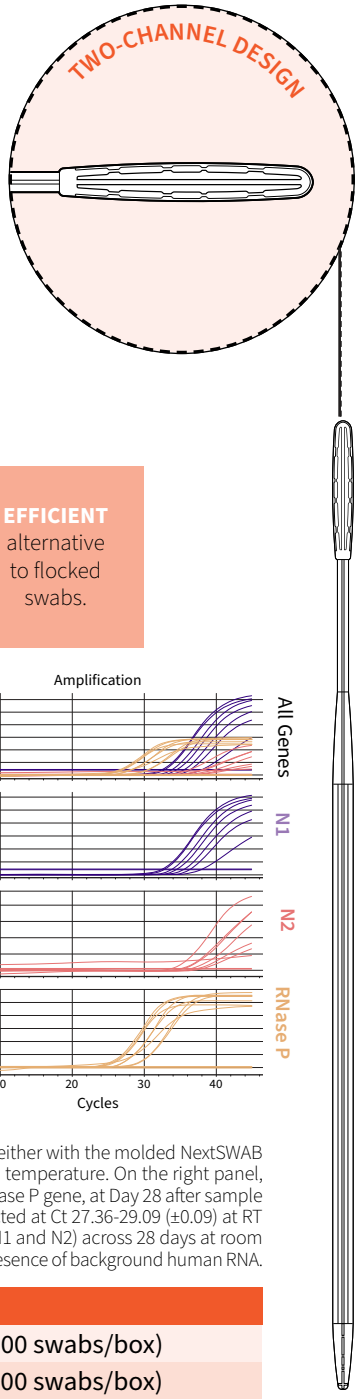
NextSWAB™ Sterile Sample Applicator

Plastic Sample Applicator Efficient at Collection and Release

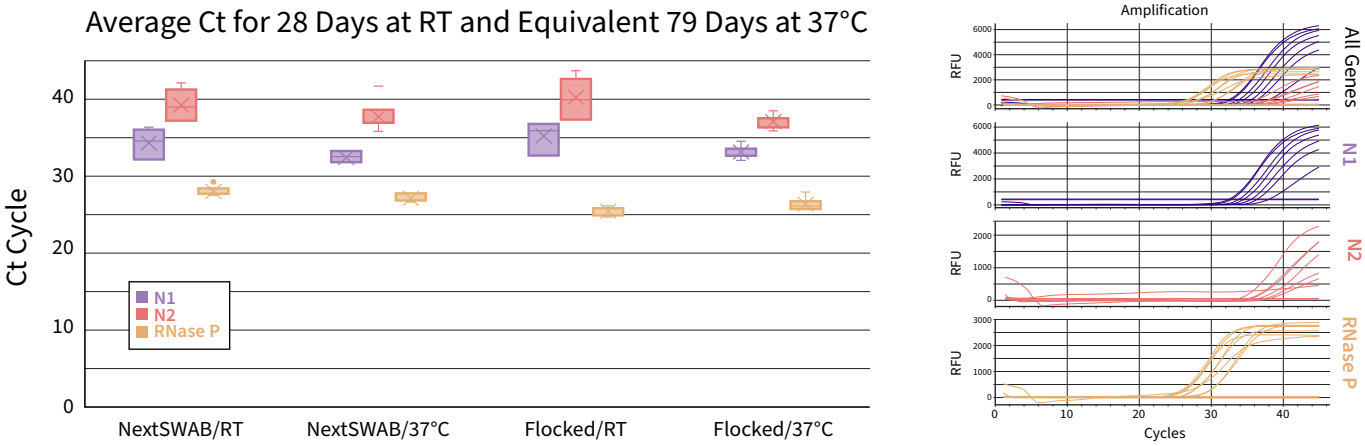
The COVID-19 pandemic created major supply chain disruptions in testing supplies, especially for swabs. In response to these supply issues, Mawi DNA Technologies developed the 100% plastic, injection molded NextSWAB as an efficient alternative to standard nasal and oral swabs.

The NextSWAB sterile sampling applicator for biological sample collection is 6 inches in length, with a unique head design positioned at the distal end. The swab head is designed with two channels separated by a septum that retains the collected nasal material and can then be released into the transport media with a gentle shake. The flexible head can fit into crevices with ease and effectiveness.

The innovative NextSWAB fully releases its contents into the sample transport media removing the need for the swab to be transported with the sample. A fully concentrated liquid sample can then be quickly processed with robotic liquid handling systems and/or any laboratory workflow. During initial R&D testing, the NextSWAB's unique and patent pending head design has shown higher collection efficiency for nasal (mid-turbinate and anterior nares) samples than flocked swabs with extremely minimal user discomfort.



AVAILABLE in **STERILE** single and double swab pouches.	**COMPATIBLE** with many sample transport tubes. Ideal for multiple swab sample pooling in a single tube.	The two-channel design of the swab head provides an **OPTIMAL SAMPLE CAPTURE** mechanism for bodily fluids and cells.	Designed for **OPTIMAL SAMPLE RELEASE** with a simple shake within our iSWAB devices.	**EFFICIENT** alternative to flocked swabs.



Average Ct cycle at which SARS-CoV-2 genes N1 and N2 were detected along with the RNase P gene across 28 days in samples collected either with the molded NextSWAB or with a standard flocked Copan/iClean swab at room temperature and at 37°C. The latter is equivalent to 79 days at ambient (room) temperature. On the right panel, amplification plots of all the three genes, of SARS-CoV-2 gene N1 (FAM channel), of SARS-CoV-2 gene N2 (HEX channel), and of human RNase P gene, at Day 28 after sample collection. The RNase P gene, indicative of the presence of human RNA and the sampling capacity of NextSWAB, was consistently detected at Ct 27.36-29.09 (±0.09) at RT and at Ct 26.6-27.63 (±0.38) at 37°C for 28 days. SARS-CoV-2 was also consistently detected (Ct values ≤40 for SARS-CoV-2 specific genes N1 and N2) across 28 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.

Part No.	Product
NextSWAB-1	NextSWAB Universal Sterile Sampling Applicator (1 swab/pouch, 1000 swabs/box)
NextSWAB-2	NextSWAB Universal Sterile Sampling Applicator (2 swab/pouch, 2000 swabs/box)

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