

ENVISIONTEC TEST SWABS

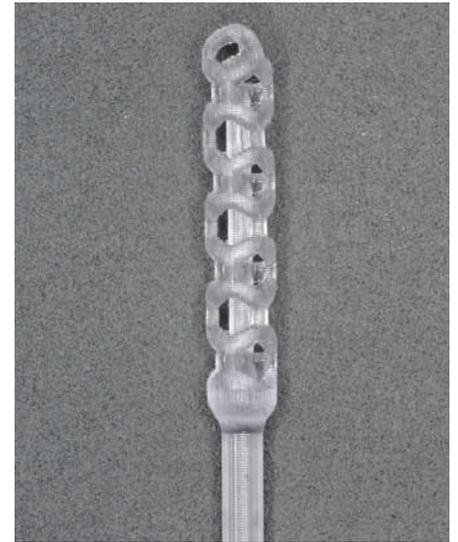
3D PRINTED BY PRINTERPREZZ

IN PARTNERSHIP WITH:



PrinterPrezz is a 3D printing medical company offering design, prototyping, mass production and regulation assistance to orthopedic device companies. We help customers at every stage of the innovation life cycle, and specialize in titanium and other medical materials. During this time, we are keeping our facilities open to create test swabs to aid the medical community in fighting this pandemic.

EnvisionTEC engineers have designed a 3D printed collection tip for a flexible nasal swab that has completed testing in an IRB-approved clinical trial for use in this unprecedented time. In order to be given this approval, a rigorous, multi-phase testing procedure was required. This testing of both the design and the material included several rigorous mechanical and chemical tests. This was done to ensure that the swabs pick up viral RNA particles and do not interfere with PCR/reagents, that they are chemically safe, that they would bend 180 degrees without breaking, and that the design would be able to safely collect enough viral particles from the nasal passage to effectively test.



Are the swabs packaged and sterilized?

Test swab samples are available in sterilized or unsterilized options, based on customer needs.

What is the manufacturer's capacity?

Up to 1 million per day through its network of Envision One users.

Are the swabs FDA approved?

The swabs are Class 1 and do not require FDA approval but are registered on the FDA website and an IRB-approved clinical trial has been completed.

Do the swabs cause any interference with PCR or molecular test platforms?

As part of the rigorous testing performed by BIDMC, a spiked sample was used to test performance of the 3D printed swab against a polyester control swab. The results between the two swabs did not vary.