



MOLECULAR DIAGNOSTICS LABORATORY

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<https://isom.uthscsa.edu/pathology/reference-labs/molecular-diagnostics-laboratory/>

Test Description: COVID-19 (SARS-COV-2) Nucleic Acid Test, Nasopharyngeal

Requisition Sheet: [Follow this link](#)

Patient Information Sheet: [Follow this link](#)

Provider Information Sheet: [Follow this link](#)

Clinical Indication and Relevance: This test is intended to be performed on respiratory specimens collected from individuals who meet Centers for Disease Control and Prevention (CDC) clinical and/or epidemiological criteria for COVID-19 testing, available [here](#).

Methodology: The assay uses transcription-mediated amplification on the Hologic Panther System.

Sensitivity: The analytic sensitivity is 0.01 TCID₅₀/mL

Turn-around Time: The samples can be completed in 1-2 business days.

Sample Requirements

- **Sample type:** Collect a nasopharyngeal (NP) swab according to instructions provided with the kit in either viral transport media (VTM) or universal transport media (UTM).
- **Transport:** Specimens can contain extremely high levels of virus or other organisms. Specimens must be shipped and transported in accordance with applicable local, national and international transportation regulations. Maintain proper storage conditions during shipping to ensure integrity of the specimen.
- **Stability:** After collection, store samples at 2-8°C up to 4 days before testing.
- **Unacceptable Samples:** Improperly labeled or incorrect patient identification, specimen leaked, incorrect media, insufficient volume (less than 700 ul), no swab, bloody or grossly mucoid, specimen does not meet transport, storage or date of collection requirements.

CPT Code: U0003, Infectious agent detection by nucleic acid (DNA or RNA); severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) (Coronavirus disease [COVID-19]), amplified probe technique, making use of high throughput technologies.