



# COUNTY OF SAN LUIS OBISPO PUBLIC HEALTH LABORATORY

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## LABORATORY TEST FACT SHEET

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**TEST: Coronavirus SARS-CoV-2 NAAT**

**ORDER CODES: 6880, 51010, 52030**

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### TEST DESCRIPTION

The County of San Luis Obispo Public Health Laboratory performs nucleic acid amplification tests (NAATs) for the detection of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) by reverse transcriptase polymerase chain reaction (RT-PCR) method (cobas<sup>®</sup> SARS-CoV-2 PCR 6880, CDC FluSC2 51010, and Cepheid Xpert Xpress 52030). The tests are designed to detect acute COVID-19 infections. Testing may detect viral RNA during the acute phase of infection and in the convalescent phase. However, these molecular amplification tests may remain positive for days or weeks after recovery, detecting the shedding of residual RNA but not infectious viral particles.

Sensitivity: 95-98%

Specificity: 98-100%

### TEST LOGISTICS

- Tests are performed daily with results available the following day: tests 6880 and 51010
- Test orders marked STAT will be assigned to the Xpert Xpress assay (52030) that takes about one hour to perform and results will be provided the same day (only available for a limited number of specimens)

### SPECIMEN COLLECTION GUIDANCE

Preferred Specimen: Nasopharyngeal or nasal swabs in viral transport media (VTM)

Acceptable Specimens: Oropharyngeal swabs in VTM, nasal wash, bronchial wash, bronchial alveolar lavage, tracheal aspirate, sputum

Maximum Holding Time: 3-day refrigerator temperature

Storage and Transport Temperature: After collection, specimen should be refrigerated within one hour. If not to be tested within 3 days, specimen should be frozen at -20 °C or lower temperatures.

**CPT 87635**