



# 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 RT-PCR and Amplification

**Order codes 6850, 6852, 6860**

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#### TEST DESCRIPTION

We perform molecular amplification tests for detection of Coronavirus SARS-CoV 2 by real-time polymerase chain reaction (RT-PCR) method ( CDC EUA test 6850, and Cepheid Gene Xpert test 6852) and Transcription Mediated Amplification ( Hologic Aptima test 6860). The test is designed to detect acute COVID-19 infections. Testing may detect viral RNA during the acute phase of infection and in the convalescent phase.

For patients who have had illness with an onset at least ten days prior and now have no fever with no fever reducing medications, and no symptoms or improving are considered no longer infectious. 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

- test are performed daily with results available the following day : tests 6850 and 6860
- test orders marked STAT will be assigned test 6852, the Gene Xpert assay that takes about one hour to perform and results will be provided the same day.

#### SPECIMEN COLLECTION GUIDANCE

Preferred Specimen: Nasopharyngeal, Nasal swabs, Oropharyngeal swabs in viral transport media (VTM) or saline

Acceptable Specimens: Nasal Wash, Bronchial Wash, Bronchial Alveolar Lavage, Tracheal Aspirate, Lung Tissue, 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 -20C or lower temperatures.

#### CPT 87635