

## Patient Testing References

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### I. PCR

#### a. Nasal Swab Test – PCR

##### i. Details

1. Achieves quick results
2. Availability has increased significantly in the past several weeks
3. Available in physician offices, testing sites, and hospitals
4. Potential future availability in dental practices in some states, providences, and countries.

##### ii. Types

##### 1. LabCorp offers COVID-19 PCR testing (COVID-19 swab test)

a. Testing performed through a hospital or healthcare provider

b. Home kit on Pixel by LabCorp™ website

i. This type of COVID-19 test is for individuals who have COVID-19 symptoms or meet the testing criteria established by the CDC.

ii. LabCorp launched a COVID-19 test on March 5, 2020, for ordering by authorized healthcare providers anywhere in the U.S.

1. The at-home COVID-19 test kit to detect an active COVID-19 infection is available through Pixel by LabCorp, a platform where patients can access many routine lab tests, and the required physician order, online. The at-home COVID-19 test kit is available to frontline healthcare workers and first responders who complete an eligibility screening questionnaire. Visit Pixel by LabCorp™ to learn more.

iii. Expense – usually covered by medical insurance

#### b. Salivary Tests – PCR

i. Oral DNA company– available to medical and dental practitioners in the US. Test sent to lab for result. This is now readily available and is a 2 level test, saliva and minimally invasive nasal swab. They offer 24-hour turn-around time for results. This gives the practitioner flexibility to test 2-3 days before a long dental appointment. This is highly recommended for long appointments. Fee is \$100.

ii. Rutgers University group RUCDR Infinite Biologics received an EUA (Emergency Use authorization) from the FDA on April 13, 2020. This test does not have any significant distribution or availability at the time of preparation of this document. The 60 subjects had identical test results with both the salivary and nasal PCR tests.

iii. MicroGen DX test – Available and will ship to patient's home after account is set up through [www.microgendx.com](http://www.microgendx.com). Fee is \$99 with 24-hour turn around.

## II. Antibody Testing

### a. Fingertstick

- i. Available in many physician offices and to dentists in some states. Currently many questions remain regarding low specificity (more false negatives ranging as high as 30% in some tests).

### b. Venipuncture blood draw

- i. Available in some physician offices. Hospitals in some states are limiting these tests to health care professionals and some essential public employees due to limited lab capabilities on processing tests.
- ii. Serology testing, also known as coronavirus antibody tests, can check for different types of antibodies developed after exposure to the SARS-CoV-2 virus which causes COVID-19. The antibodies include: IgG, IgA and IgM. This type of COVID-19 test is for individuals who think they may have previously had COVID-19 but do not currently have symptoms. Note: antibody testing should not be used as the sole basis to diagnose or exclude infection.
- iii. The below labs/tests have excellent specificity/sensitivity numbers.
  1. Vibrant American – a national lab that has accounts with many functional medicine/dental practitioners. Blood draw and consult may be done in practitioner’s office or consult only using tele-medicine when the patient is referred to a lab or phlebotomist for blood draw. The lab charge is \$149 for the test. Patient pays the lab fee and is reimbursed by their medical insurance. The consult fee, in office or tele-medicine, is billed to the patient’s medical insurance and the practitioner accepts assignment of benefits from the insurance company. No deductibles or copayments are charged to the patient for any COVID-19 procedures per the recent federal mandate.
  2. Cole Diagnostics is a lab in Idaho that will ship boxes of 10 test kits to a physician or dental office. The cost is \$50 per test or \$500 per box. A dentist or physician must perform or arrange the blood draw and may set up an account online, within the state guidelines of the practice.
  3. Abbott Labs has an antibody test being drawn through Quest and LabCorp (and perhaps other labs), requiring a physician referral.
  4. LabCorp announced on April 22, 2020, that COVID-19 serological antibody testing was becoming more broadly available to hospitals, healthcare organizations and through its patient service centers, including LabCorp at Walgreens locations.
  5. Quest diagnostics, as of April 30, 2020, is offering antibody testing though physician referral. This test is IgG only and the fee is \$119.
  6. Other – There are also several telehealth providers that offer access to COVID-19 antibody testing without having to go to a doctor’s office or other healthcare provider. LabCorp has provided more information about telemedicine providers that can order tests from LabCorp.