

From: Dunn, Kathleen **On Behalf Of** Davidson, Peter
Sent: Thursday, June 18, 2020 10:37 AM
Subject: COVID Antibody Testing at CDH

Dear CDPHO Colleague:

The below two emails went out from the CDH medical staff office on 6/9/20 and 6/11/20 regarding COVID antibody serologic testing at CDH. We are sharing this with PHO membership along with the lab order form to be used by providers not on EPIC. Also, the Mass General Brigham Guidance for COVID antibody serologic testing is also attached for your review in pdf format for those of you unable to access the below Partners link.

Peter Davidson, MD
CDPHO Medical Director

Date: 6/9/2020

Re: COVID-19 Serologic Antibody testing
From: Peter Christakos MD, Medical Director of Chemistry.

As of today, we will be performing COVID antibody serologic testing in our laboratory at CDH on the Roche main chemistry analyzer. This immunoassay is being done at other MGB (Mass General Brigham) system hospitals and detects both IgM and IgG antibodies. The specificity is 99.8% and the sensitivity is 100% greater than 14 days after PCR confirmation. MGB has confirmed these numbers with its own internal validation.

The epic order code is: **SARS-CoV 2 AB, total.**

This test will be run daily and is not a stat test.

Results will be qualitative (positive or negative).

Reagents supply lines are not mature yet and possible interruptions in testing may occur initially.

The indication is unchanged for **inpatients** and limited to those who have COVID symptoms but a negative PCR test. New indications are serology testing for **outpatients** include those who have symptoms but are PCR negative or currently asymptomatic patients looking for evidence of prior infection. Antibodies typically appear between 7 and 21 days after symptom onset. Please see the link below for additional details.

https://pulse.partners.org/hub/departments/emergency_preparedness/coronavirus/covid19_clinical_policies/outpatient_sarscov2_serology_testing_guidance

The FDA has made this test available under an emergency access mechanism called emergency use authority (EUA).

To: All medical staff providers

Date: 6/11/2020.

From: Peter Christakos, MD Medical Director of Chemistry

RE: FOLLOW-UP MEMO REGARDING COVID ANTIBODY TESTING

This memo is to clarify the previous one sent on 6/9/2020.

1. **For patients wo have symptoms and are PCR negative**, antibody testing should be ordered by the

patient's primary care provider and the patients should call **582-2966**, the Respiratory Illness Clinic (RIC) at the hospital to schedule an appointment. Do not go to outpatient lab sites if you are symptomatic. Hours for lab draws in the RIC are Tuesday and Thursday 8:00am-11:00am.

2. **Previously symptomatic patients who want testing for antibodies** should be done at least 14 days after onset of symptoms, and 21 days is optimal for sensitivity and specificity. This needs to be ordered by the patient's provider and can be drawn at any outpatient site.