COVID19 Testing Solutions

Presented by
National Kidney Registry, Dr. Montgomery, Dr. Cooper,
Viracor-Eurofins & NORA
March 18, 2020
Version 1.9
Problems we are trying to solve

➢ Centers need to test living donors and LD recipients prior to surgery
➢ Centers need to test recipients of deceased donor organs prior to surgery
➢ OPOs need to test deceased donors prior to surgery
➢ Centers need to perform home blood draws for donors and patients to keep them out of the hospital
➢ Keeping hospitals, donors & patients updated with current information
<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
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<tbody>
<tr>
<td>LD &amp; LD recipient testing prior to surgery</td>
<td>Standard COVID19 Test</td>
</tr>
<tr>
<td>DD recipient testing prior to surgery</td>
<td>STAT COVID19 Test</td>
</tr>
<tr>
<td>Deceased donor testing prior to surgery</td>
<td>VRL has a solution for OPOs</td>
</tr>
<tr>
<td>Home blood draws</td>
<td>NKR home blood draw service</td>
</tr>
<tr>
<td>Keeping everyone updated</td>
<td>NKR &amp; CLS web site enhancements</td>
</tr>
</tbody>
</table>
COVID19 Testing Process

1) Testing performed on nasal passageway collections.
2) All results must be reported to the patient’s local health department.
   ▪ Viracor will call the patient’s DOH if they get an address for the patient.
   ▪ Only POSITIVE samples will be sent to the CDC, unless otherwise requested.
3) **Standard test** samples must be sent directly via overnight courier (morning delivery) to Viracor.
   ▪ The NKR is not providing a Return Shipping Label to Viracor; the Member Center is responsible for Return Shipping Labels.
   ▪ Viracor’s lab address is on the kit. Viracor’s Client Service’s number: 1-800-305-5198.
   ▪ Turnaround time for standard test results is 12-18 hours from receipt of the sample at Viracor.
4) **STAT test** samples will be picked up by the NORA courier service.
   ▪ Turnaround time for STAT test results is targeted for 24 hours (not guaranteed) from pickup of the sample. Charter flights can be ordered to expedite turnaround time.
5) The sample must be tested within 4 days of the date/time of collection.
6) Test results will be delivered digitally via the existing NKR serology platform.

Check the following link for the latest updates
https://www.kidneyregistry.org/info/covid-19
The Specimen Collection Kit

**Nasopharyngeal Swab Instructions**

**Materials**
- Sterile Dacron/nylon Swab
- Transport media tube (should contain 1-3 mL of sterile transport medium)

**Procedure**
1. Tilt patient’s head back 70 degrees.
2. Insert swab into nostril. (Swab should reach depth equal to distance from nostril to outer opening of the ear.) Leave swab in place for several seconds to absorb secretions.
3. Slowly remove swab while rotating it. (Swab both nostrils with the same swab.)
4. Place tip of swab into sterile transport media tube and snap off the applicator stick.

**Important Information Related to the Test**
1. All results must be reported to the patient’s/individual’s designated contact person.
2. Viracor may recall the patient’s/DOT number in an email for the patient.
3. Only positive samples will be sent to CDC/DHS, unless otherwise requested.
4. Testing can be performed on nasal, percutaneous, or pharyngeal swabs.
5. Specimens can be submitted only by approved healthcare providers using appropriate PPE.
6. Standard test results must be sent via EHR/PHIbold.
7. Viracor Laboratories will not provide a report for this testing.
8. Viracor’s lab address: 9110 W 96th Street, Lenexa, KS 66214

**Nasopharyngeal Swab**

- Viracor
- 1300 NW Technology Drive
- Lenexa, Kansas 66214

**Steps to Follow**
1. Viracor’s CLIA Lab Number: 02-0206028
2. Order number: 800.385.1501
3. Order service is available for all tests.
4. The sample must be noted within 7 days of the collection of the samples.
5. The samples must be received within 7 days of the collection of the samples.
6. The sample must be received within 7 days of the collection of the samples.
7. The sample must be received within 7 days of the collection of the samples.
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17. The sample must be received within 7 days of the collection of the samples.
18. The sample must be received within 7 days of the collection of the samples.
19. The sample must be received within 7 days of the collection of the samples.
20. The sample must be received within 7 days of the collection of the samples.

**Test Information**
- Combinations: SARS-CoV-2 RT-PCR
- Tube: Red Test TAM Controls
- Formulat and Kits by Hardy Diagnostic
- Specimen Requirements: NP Swab or Nasal Swab
- Packaging: Samples must be packaged in their own labeled bag with an absorbent sheet.
- Shipping: Samples must be shipped in a styrofoam box with dry ice.

**Recipient Address**
- Viracor Laboratories
- 9110 W 96th Street
- Lenexa, Kansas 66214

**Contact Information**
- Viracor Laboratories
- 9110 W 96th Street
- Lenexa, Kansas 66214
# COVID19 Test/Kit Components

<table>
<thead>
<tr>
<th>Test Information:</th>
<th>Coronavirus SARS-CoV-2 RT-PCR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube:</td>
<td>Red Top UTM Conical Tube w/Beads and Swabs by Hardy Diagnostic</td>
</tr>
<tr>
<td>Specimen Requirements:</td>
<td>NP Swab or Nasal Swab</td>
</tr>
<tr>
<td>Packaging:</td>
<td>Swabs must be packaged in biohazard bag with an absorbent sheet</td>
</tr>
<tr>
<td>Shipping:</td>
<td>Ambient, UN3373 Category B</td>
</tr>
<tr>
<td>Platform:</td>
<td>Qualitative RT-PCR assay</td>
</tr>
<tr>
<td>Expected Ambient Stability:</td>
<td>Between 48-96 Hours</td>
</tr>
<tr>
<td>Quantity:</td>
<td>1 Swab per Kit with 10 Kits in Every 1 Box Ordered from the NKR</td>
</tr>
</tbody>
</table>

Check the following link for the latest updates: [https://www.kidneyregistry.org/info/covid-19](https://www.kidneyregistry.org/info/covid-19)
Costs

➢ All COVID-19 test kits sent to NKR centers the week of 3/16/2020 will be fulfilled and shipped at no charge.
➢ Test kits ordered after initial shipments billed at $300 for a box of 10 kits.
➢ All COVID-19 standard tests processed in the Month of March will be provided at no charge.
➢ Starting on 4/1/2020 the standard tests will be billed at $250/ test.
➢ COVID-19 STAT tests will be billed at $1,800/ test plus the charter cost, if a charter is needed and authorized.
➢ All COVID-19 costs will be included in your monthly NKR invoice.
➢ The NKR terms and conditions will be updated shortly.

Check the following link for the latest updates
https://www.kidneyregistry.org/info/covid-19
Step 1 - Log into NKR

Step 2 - Covid-19 Testing tab in action center

Step 3 - “Enroll donor/recipient for testing”
**Step 4**

Enroll a Donor/Patient for Covid19 Testing

<table>
<thead>
<tr>
<th>Select from NKR KPD Donors:</th>
<th>Non NKR KPD Donor/Patient (enter details below)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter Donor/Patient Information Here:</td>
<td></td>
</tr>
<tr>
<td><strong>Alias (MRN/Other Internal Identifier)</strong></td>
<td><strong>Full Name</strong></td>
</tr>
<tr>
<td>ABC123</td>
<td>Bob</td>
</tr>
<tr>
<td><strong>Select the patient type:</strong></td>
<td><strong>Select the organ type:</strong></td>
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<tr>
<td>LD Donor</td>
<td>Kidney</td>
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<tr>
<td><strong>Select a primary contact from the following list:</strong></td>
<td><strong>Unlisted Primary Contact</strong></td>
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<tr>
<td>Not listed (enter details below)</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>firstname lastname</td>
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</tbody>
</table>

(check box) (optional) I want to pay $1800 + charter (if needed) for stat testing.

Check to order stat test if needed for DD Recipient
Step 6

Covid19 Testing Tracker

Step 7 –
Print Requisition or wait for it via email

Step 8 –
Create shipping label to Viracor

National Kidney Registry
Facilitating Living Donor Transplants
Step 9 – Open test kit

Step 10 – Fill out and place label on specimen container

Step 11 – Capture & place specimen in box per enclosed instructions
➢ *(do not close box yet)*

Step 12 – Place requisition in and close box
Step 13 – Enter Tracking Number & Mark Shipped

Step 14 – Place box in FedEx bag
Step 15 – Place shipping label on bag
Step 16 – Drop package in pickup location

VIRACOR PERFORMS TESTING

RESULTS EMAILED TO CENTER CONTACTS
Click the download link in the email to download the results of the testing
Identify a non-clinical nurse (research, administrative, etc.) to perform the testing wearing personal protective equipment (PPE).

Even though the donors and recipients may not be showing symptoms of COVID-19, this is necessary because the nasal swab generally causes the person being tested to sneeze or cough during the test.
Home Blood Draw Service

Keeping donors and recipients out of hospitals

Home Blood Draw Service

National Kidney Registry
Facilitating Living Donor Transplants

Order Kit
COVID-19 Updates

Last Updated 3/16/2020 at 1324 EST

NKR centers should be receiving COVID-19 test kits Wednesday/Thursday (3/18, 3/19) in order to start testing living donors, living donor recipients and potential recipients of deceased donor organs. For testing of deceased donors, please have your OPO contact VRL – they have implemented a solution for the OPO industry.

We will be hosting a call on Wednesday 3/18/20 at 4:00 PM ET to train centers on the COVID-19 testing process. Most centers will have the kits on hand before the call. We will have Viracor staff on the call to answer any technical question about the test. Also on the call will be a medical profession that has experience administering the COVID-19 test.

The NKR will be holding approximately 2,000 kits in reserve so that we can immediately resupply test kits upon request. In the near term, we will ship in quantities of 10 tests per box. To preserve the supply of test kits, we will only ship out additional tests if a center has used at least 50% of their original shipment. For example, if a center received 10 test kits and has only run 2 tests, we will not ship more test kits. Once the center has run at least 5 tests, we will ship out additional test kits. We are expecting another shipment of 5,000 test kits from Viracor in early April.

The test can be ordered through the existing NKR serology platform. After the nasal swab procedure has been completed and the kit has been fill-out, simply select the coronavirus option in the member center home screen. The test results will be delivered digitally, the same way NKR serological test results are delivered.
### Center LD Status Now Posted on CLS Site

Visit [https://www.kidneytransplantcenters.org/](https://www.kidneytransplantcenters.org/)

<table>
<thead>
<tr>
<th>Rank</th>
<th>Center Name</th>
<th>State</th>
<th>SOAP</th>
<th>DOAP</th>
<th>SHAP</th>
<th>STAP</th>
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Questions