RAPTOR – a general guide

Version 2, updated to reflect protocol v.6

01.03.2022

Video tutorial guide is available here.

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STEP 1 – identify eligible patients

Eligibility:

- Patients with covid-like symptoms (any symptoms associated with covid that may lead the clinician to suspect a covid infection) can be recruited (protocol v.6, p16-7)
- Patients must be exhibiting covid-like or flu-like symptoms to be eligible. Within 12 days of symptom onset for Lumira
- Patients with recurring covid-like symptoms can be recruited into the study, but can only participate once
- Patients who have tested positive for covid and are no longer symptomatic, or have not developed symptoms, are not eligible for the study at the moment
- Patients who have come into contact with someone who has tested positive can only be included if they also develop symptoms (but this may be a useful avenue to identify potential participants)
- Patients who are in immediate need of hospitalisation, or who are unable to understand and consent to the study, are not eligible
- In all cases, if in doubt please refer to the product Information For Use (IFU form), and follow the product guidelines
- Children can be included in the study, with parental/guardian consent
- Patient information sheets for the different age groups can be found here

Identification:

- Opportunistic recruitment: patients who report covid-like symptoms to the practice could trigger research prompts (e.g. pop-up on patient record)
- Searching patient records for recent positive covid rest results
- Patient self-identification: provide information about the study on practice website, social media, posters within the practice, on the practice recorded telephone message
- See here for tips on maximising recruitment
STEP 2 – patient consent

Steps:

- Add patient to uMed platform
  - Note: write +44 at the beginning of the contact phone number, not 44, for UK numbers

- Ensure the patient has read and understood the patient information leaflet, relevant to their age group (available on the RAPTOR website)

- Run through all steps of the eCRF
  - recorded uMed training webinar
  - written guide

Training:

- uMed training guide
STEP 3 – Point of care tests (POCTs)

- **RAPTOR** website with links

- Always please read the IFU for product use and for more information

**Lumira Dx**

- Patient must be exhibiting covid-like or flu-like symptoms, ideally within 12 days of symptom onset

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<th>Training video</th>
<th>Lumira product documents for flu and covid tests</th>
<th>Lumira product documents in full</th>
<th>Lumira quick test guide</th>
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Running the Test

1. Select Patient ID from the Instrument Home Screen and enter the unique patient identifier number using the Keypad.

2. Remove the Test Strip from its pouch and hold by grasping only the blue portion. Do not touch the Test Strip or adhesive area when applying to the blue portion.

3. When prompted, open the Instrument door and gently insert the Test Strip as far as it will go. The Test Strip should be aligned with the test slot. DO NOT BECOME UNHAPPY.

4. Close the door when prompted to continue the test.

5. Gently insert the pipette tip in the Test Strip Sample Application Area when prompted by the Instrument.

6. Apply a whole drop of the sample onto the Test Strip Sample Application Area when prompted by the Instrument.

7. Close the door when prompted to continue the test.

Interpretation of Results

Results are displayed after 15 minutes of applying the sample. To view the test results, follow the on-screen instructions.

Quality Controls

To complete quality control assessment of the Lumera instrument and 3M Health Care Test Strips, you must use quality control strips and follow the procedures outlined. If the Quality Controls do not perform as expected, do not report patient results. Relate using a new Test Strip if problems persist. Contact Lumera Customer Services.
STEP 4 – virology reference swab

Swab processing:

- Take a nose and throat swab sample using the swab provided
- Insert the swab into the tube and break off the tip before securing the lid on
- Place the sample tube inside the packaging tube bottom first with the green lids on the same side:

- Place back in box with the completed form:
  - The **RCGP RAPTOR STUDY PHE Microbiology request form**, should be complete with the correct practice address (please check before continuing), project code and barcode.
  - Please complete the form IN FULL
  - Please take extra care to ensure that the **patient NHS number, name, DOB, RAPTOR ID, and date of sample collection** are complete and correct (the patient RAPTOR ID should be at the top of their consent form)

- Insert into envelope addressed to the Colindale lab in London and post in a priority post box:

  **Virus Reference Department**  
  **61 Colindale Avenue**  
  **London**  
  **NW9 5HT**
**STEP 5 – check uMed**

- Please check that all the correct information has been coded into uMed to complete the patient records

- This is extremely important as incomplete participant records may affect the funding that can be received for recruiting each participant

**RAPTOR participant ID** = the participant identifier number on the uMed participant record (see the top of the page when clicked in to a participant’s records).

**RAPTOR site ID** = unique site code assigned by the RAPTOR project, NOT the practice code. The site ID can be found at the top of a completed participant consent form. Go to a participant record and click on:

  ‘Form status’ -> ‘Study forms’ -> ‘View answers’ -> ‘download form’

The top of the form should have the study code, site identifier, and participant identifier at the top, e.g.:

```
RAP – [RAPTOR site ID] – [RAPTOR participant ID]
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