

Your at-home antibody test for coronavirus

FOR RESEARCH PURPOSES ONLY



Start here

This test kit is part of a research study with Imperial College London. Your participation will help us understand how many people may have been infected with Coronavirus in the UK and how easy it is for members of the public to carry out this antibody test at home.

Result of this test

The result is NOT reliable (not yet validated).
DO NOT take any action or choose not to take an action based on the result.

Here is what you will be asked to do as you go ahead with taking this test.

- Read the enclosed information sheets.
- Organise the materials in a clean, safe space.
- Follow the nine steps in this booklet.
- Record your result and dispose of the kit.



The instructions in this booklet will guide you on how to take the test yourself. Although the test can be done alone, we advise you get someone from your household to assist you if you need.

If you have internet access you can watch a video explaining the steps at www.reactstudy.org/antibodytest

Please follow the instructions carefully and take note of the following:

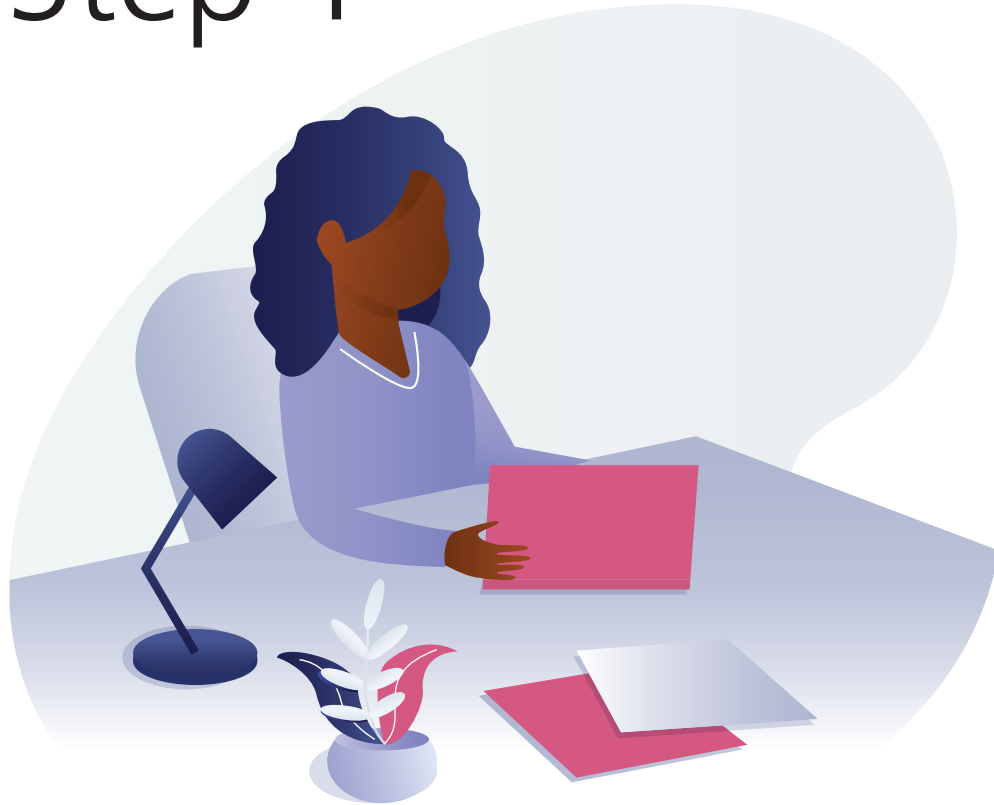
Do

- ✓ Read through this full instruction booklet before starting.
- ✓ Find a clean space on a table well away from children and pets to take the test.
- ✓ Give yourself about 30 minutes from start to finish to complete the test.
- ✓ Safely dispose of the kit as outlined in this booklet.

Don't

- ✗ Do not allow anyone especially children and pets to touch or access the test kit.
- ✗ Do not eat or swallow any part of the kit.
- ✗ Do not take any action as a result of the test. This is for research purposes only.
- ✗ Do not give the test to anyone else. This was only intended for the person it was sent to.

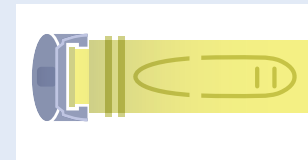
Step 1



Make sure your hands are clean and dry before beginning by washing them under warm water.

Start by arranging the various pieces of the test kit on a clean area of a table. Take the testing stick out of its pouch and arrange the pieces of the test kit on your table.

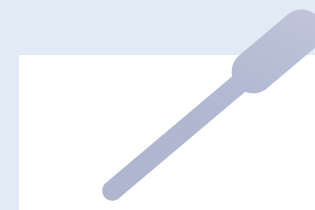
Test kit contents



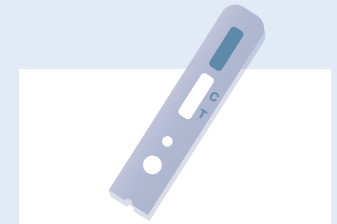
Lancet
(with protective cap)



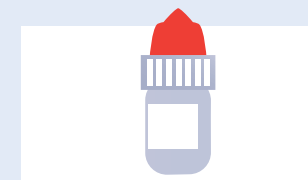
Alcohol Pad



Pipette



Testing stick, taken
out of pouch



Buffer

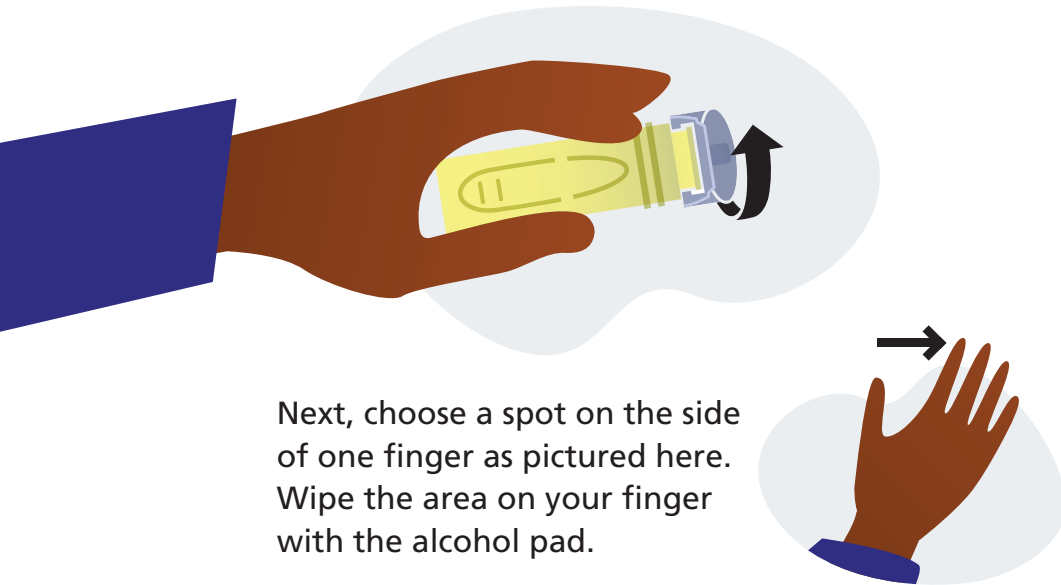


Timer or clock
(not included)

Step 2

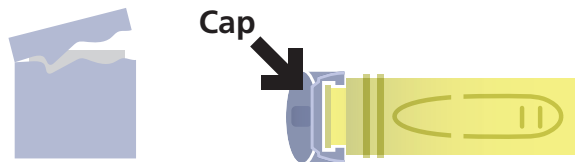
Hold the lancet and twist off the cap anticlockwise until you feel it separate from the device.

Don't pull, just twist. Do not press the release button at this stage. You can dispose of the cap.



Next, choose a spot on the side of one finger as pictured here. Wipe the area on your finger with the alcohol pad.

If you are right handed it may be easiest to choose a spot on your left hand and vice versa.

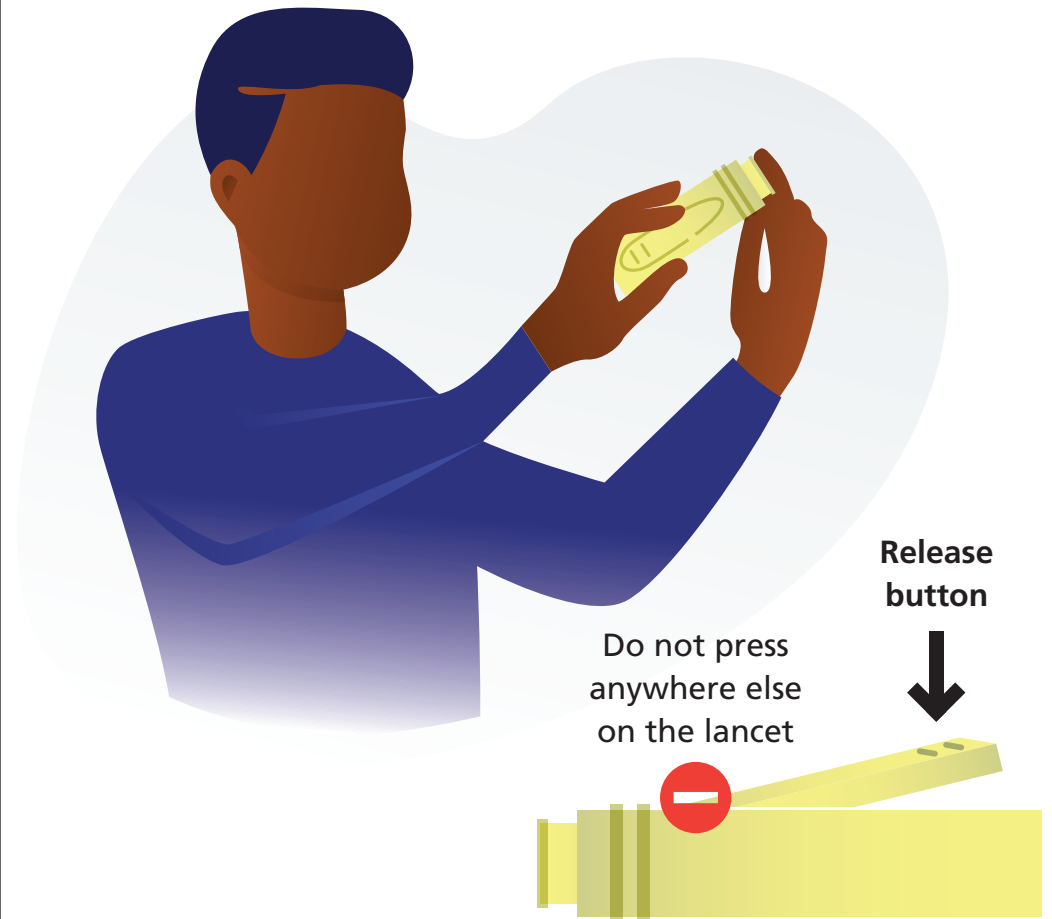


Alcohol pad

Lancet

Finally, press the pulp of your finger with the thumb of the same hand to push your blood to your skin's surface. Press the uncapped end of the lancet firmly against your wiped finger. Now press the release button.

The harder you press the lancet against your finger, the less pain you can expect. This will feel like a little pinch and will draw a droplet of blood, but it shouldn't be too painful.



Lancet

Step 3

Squeeze your finger from the bottom up to create a small droplet of blood about the size of a lentil. It should look like it's about to drip. Collect the droplet of blood using the pipette.

To do this, place the end of the pipette on the droplet of blood to draw the blood into the pipette (avoid squeezing the pipette).



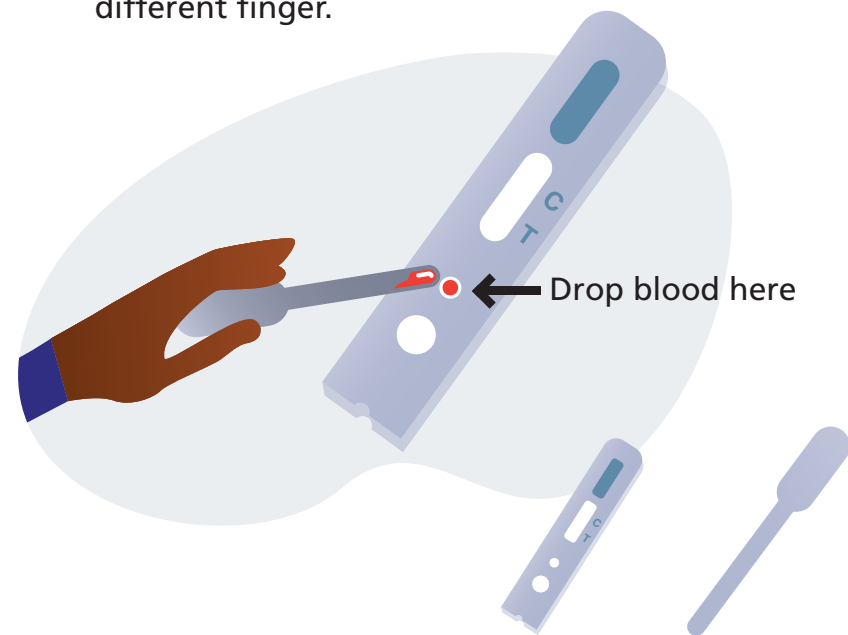
Pipette

Step 4

With the testing stick lying flat on the table in front of you, squeeze the blood from the pipette into the testing stick. The drop of blood should go in the small circular well in the middle as shown in the picture below.

Be sure the blood fills the well – the test will not work properly if too little blood is dropped into the well.

If you don't get enough blood, repeat the prick. You can do this from the same finger or a different finger.

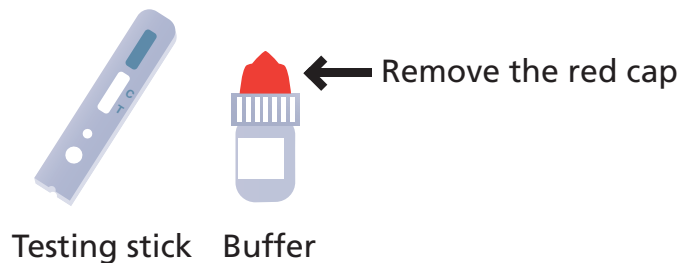
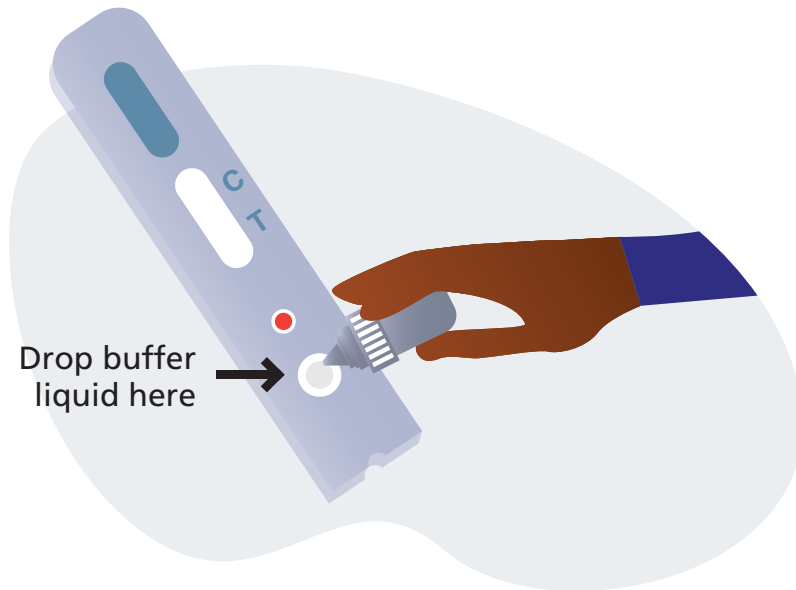


Testing stick Pipette

Step 5

Remove the red cap from the buffer liquid container and add two drops to the testing stick.

The drops of buffer liquid should go in the larger circular window as shown in the picture below.



Step 6

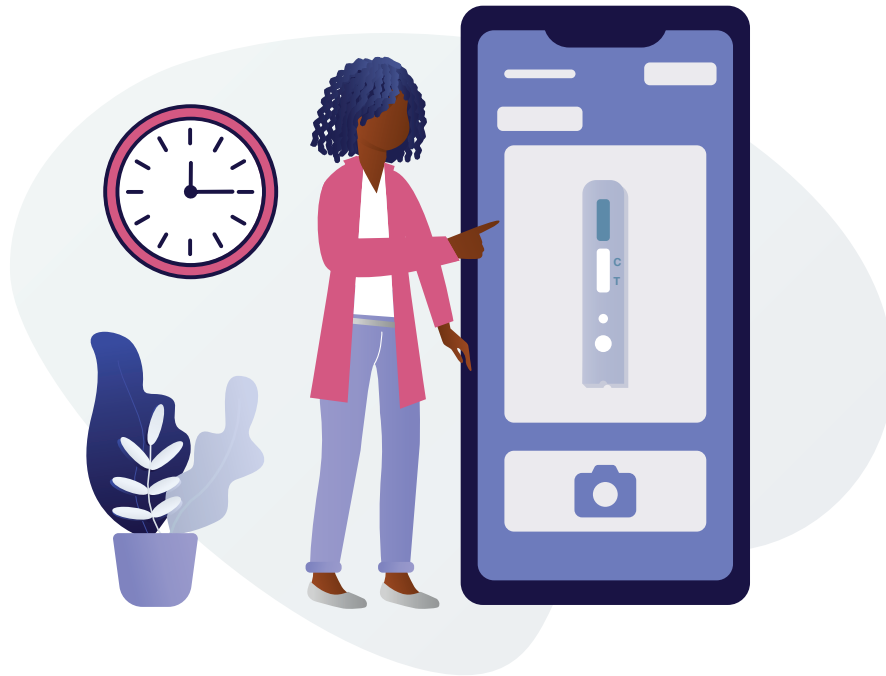
Once the buffer has been added, wait for 15 minutes but no longer than 20 minutes.



Timer or clock (not included)

Step 7

We need you to share your test result with us as part of this research study.

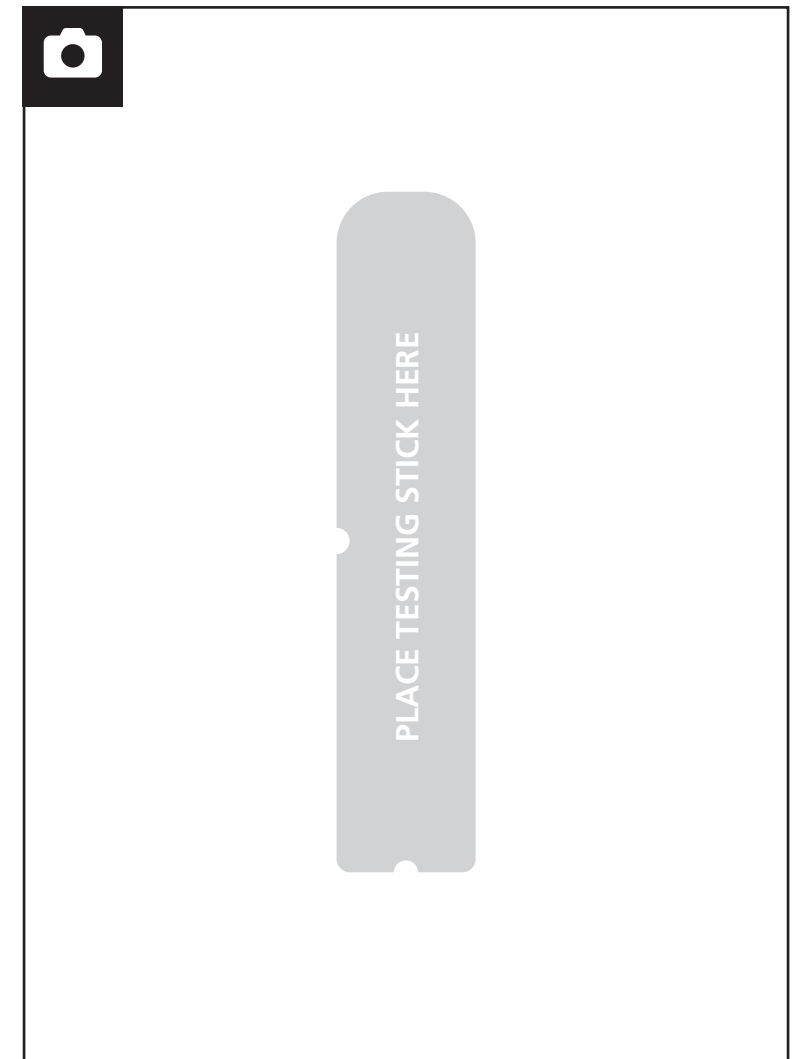


After waiting **15 minutes but no longer than 20 minutes**, take a photo of your testing stick with a smartphone (if you have access to one) using the template provided.

You will need this when you complete the questionnaire in Step 8.

Photo template

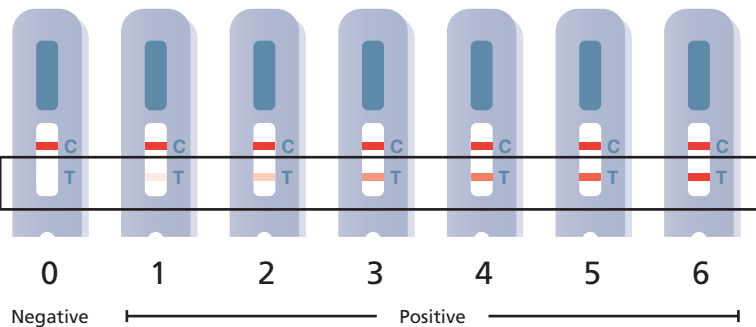
Place your testing stick on the shaded space below and take a photo from directly above in a well lit area. Avoid any shadows in the photo and do not use a flash. Use the black line as a guide for the edges of your photo.



Step 8

Please visit www.reactstudy.org/antibodytest

Enter the access code found on your letter. Complete the questionnaire and upload your testing stick photo when prompted. Please take note of how dark or light the red line is in the area highlighted below. We will ask for the corresponding number in the questionnaire.



Result of this test

This test is only for research purposes.

The result is NOT reliable (not yet validated). DO NOT take any action or choose not to take an action based on the result. A positive result does not mean you are protected from COVID-19 nor does a negative result mean you have not had COVID-19. You should continue to follow current government advice and use appropriate personal protective equipment (PPE) where advised.

Your test could have one of three possible results – positive, negative or invalid. Below are descriptions of each possible result.

Positive test result



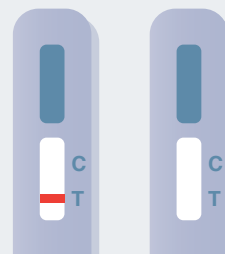
If your test result is positive this means the test has detected an antibody that reacts with the virus that causes COVID-19. This means you have probably had COVID-19, but the test might not be accurate.

Negative test result



If your test result is negative this means the test has not detected an antibody that reacts with the virus that causes COVID-19. However, this does not necessarily mean that you haven't had COVID-19.

Invalid test result



If your test result is invalid this means the test has not worked and it is not possible to give you a result.

Step 9

You have now completed the test and can safely dispose of the test kit. Please do the following:

Disposal of the test kit

- Place the testing stick back into its foil wrapper
- Place all of the test kit items into the plastic case they came in.
- Dispose of the kit with your regular household waste.
- Keep out of reach of children and pets.

If you choose not complete the test, you should destroy or return the kit.

