

INSTRUCTIONS for performing the BIOHIT

SEROLOGICAL FAST TEST

(29-09-2020)

- **Rapid test of BIOHIT SEROLOGICAL ANTIGEN:**

- **Capillary Blood Collection Option 1:**

- A lancet with a puncture depth of at least 1.8 mm is pricked on a finger and at least 5 drops of blood are drawn (250 µl to 300 µl = 0.25 ml to 0.3 ml) with a pipette or directly into a blood collection tube (it has to be a Lithium-Heparin or K3 EDTA tube to prevent the blood from clotting) so that the blood can be centrifuged and the plasma/blood serum separated.

- **Intravenous blood draw option 2:**

- Blood is drawn through a vein (as when routine blood tests are done) into a 5ml EDTA blood collection tube.
 - Take a minimum of 1ml (20 drops) of blood in case there is an error in the reading and the test has to be repeated so that the person does not have to be punctured again.



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- The rest is the same:

- 250 µl to 300 µl (= 0.25 ml to 0.3 ml = +/- 5 drops of blood) of the extracted blood are centrifuged until the plasma/blood serum is separated. (5 minutes at 4,000 rpm)



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- The centrifuged plasma/serum (light red) is drawn from the blood collection tube using a laboratory pipette with a capacity of 10 µl to 100 µl. (Use a 10 µl to 100 µl capacity tip for each patient.) 80 µl should be drawn, which can be viewed and adjusted in the laboratory pipette.
- Important 1: Do not overturn or tilt the centrifuged tube, so as not to mix the centrifuged serum/plasma with the red blood cells.
- Important 2: Only extract the plasma/serum, without mixing it with the red blood cells at the bottom that have been left over from the centrifugation.



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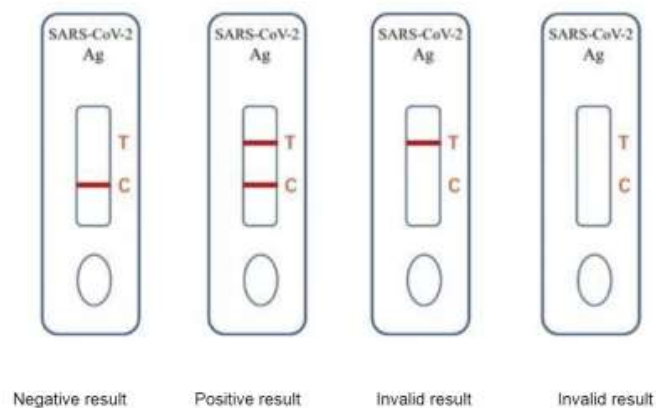
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- Add the drops of blood plasma/serum (80 µl) collected with the laboratory pipette) to the designated part of the Test tablet.
- Wait about 15/20 minutes until you get the result,
- After 15/20 minutes, shine the **UV flashlight with a wavelength of 365 nm in the** area of the letters "C" and "T" (do not shine more than 10 seconds in the area of the test, so as not to damage the result).



- If the dash appears at the height of the letter "C", it means that the test has been performed correctly and if it also appears at the height of the letter "T" it means that it has tested positive for ANTIGEN and therefore has an active SARS-CoV-2 (COVID-19) infection and the person can spread it to others, requiring quarantine or hospitalization, depending on the symptoms present.



- For more information see the attached instructions (IFU).
- Required materials not supplied:
 1. Lancet/prick or medical device to draw blood by vein
 2. +/-250 µl to 300 µl blood collection tubes or 5 ml EDTA intravenous blood collection tube for centrifugation
 3. Adjustable laboratory pipette with 100 µl capacity and corresponding pipette tips
 4. Centrifuge to be able to centrifuge about 5 min. at 4,000 rpm
 5. Alcohol wipe
 6. Small Band-Aids if needed
- **NOTE:**
 - 1 UV lamp is supplied for every 450 tests (included in the price)
 - A centrifuge may be supplied (if not available).

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