



Initially we tested Clungene antigen kit confirmed Covid-19 patients at Batam hospital. All of the were PCR positive.

Antigen test results: 30/30 non-reactive, 5/5 PCR positive

Later, we tested on those who were AB reactive, PCR positive with Abbott Antigen kit (within a day)
Antigen test results: 10/10 non-reactive

- Almost all people lost confidence in Antigen test 😊

After I understand the curve with quadrant #1, #2, #3, #4. I started the antigen experiment using Abbott kit.

First experiment:

In a dormitory, there are 16 people. When one person who complaint loss of smell/taste, was confirmed PCR positive, we quarantined the 15 people who stayed in the same room. We did the AB and Antigen tests.

We found 3/15 [Antigen Reactive and AB non-Reactive]. We sent these 3 people for PCR and the PCR results were positive. (Quadrant #2) We sent these 3 people to hospital as per Indonesia Regulation (PCR positive).

There were about 2/15 [AB reactive, Antigen non-reactive] people. Their PCR results were positive (quadrant #3) Also we must send these 2 people to Hospital as per Indonesia Regulation. However, these two people were in the recovery phase.

Others [AB non-reactive, AG non-reactive] → Quadrant 1. After we quarantined them for another 3 days, as they did not show any symptom, we released them back to work.

This is the first time we see Antigen kits work!

After this learning, we use AB and AG to locate the stage of infection of the people.

If [AB Reactive] and they do not have symptoms, we quarantine them for 3 days and released them to work if they do not show symptoms. (Quadrant #3,#4)

If [AB Non-Reactive, Antigen Reactive], we sent him/her for PCR. Our results shows that it is almost 100% sure that PCR will be positive. (>50 cases so far). (Quadrant #2)

- If Antigen Reactive, PCR positive (Quadrant #2)

In quadrant #2, if PCR positive, is antigen Reactive? (we do not know yet.)

In Quadrant #3, if PCR positive, antigen is non-reactive (almost 100% sure)

After the Abbott test learning, we started to study your product reOpenTest
We found that sensitivity and specificity of reOpenTest is 100% wrt to Abbott kit

This week we found that Clungene test kit sensitivity is about 90% wrt Abbott kit (need more quantity to confirm.)

Hope that the information is of useful to you.