ENNOLIFE SARS-CoV-2 Antigen Test Kit Protocol

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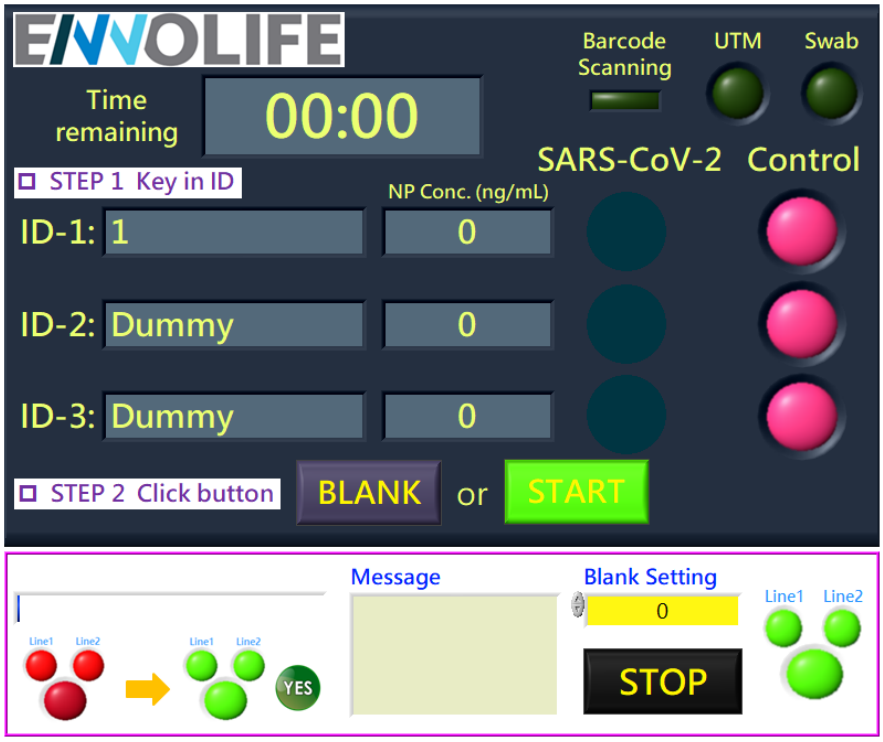
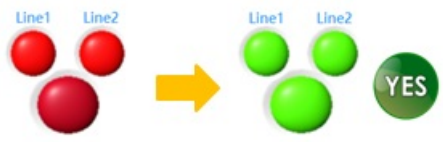
Setup ENNOLIFE Clinical Chemistry Analyzer

1 Make sure ENNOLIFE Clinical Chemistry Analyzer and Notebook was connected according to the operation manual. Double click "ENNOLIFE COVID-19 software" shortcut from the desktop.

2 Keyin Patient IDs then press “START” to check the connection of Analyzer and Notebook.





Three green light means connection is successful.

Running a nasal swab sample

3 For specimen collection of nasal swabs, follow the CDC Swab Collection Guidelines and swab manufacturers' recmommandations. Use a flocked tapered swab. Tilt patient’s head back 70 degrees. While gently rotating the swab, insert swab less than one inch (about 2 cm) into nostril (until resistance is met at turbinates). Rotate the swab several times against nasal wall and repeat in other nostril using the same swab.

4 Place and soak the Patient Swab into the Tube R1 (extraction buffer). Rotate and stir up and down the swab for 15 secs then standing for 1 min. **00:01:15**

Mix Tube R1 for several times by swab and discard the swab in biohazard waste.

5 Transfer solution **100 µl from Tube R1** to the Tube R2.

6 Mix Tube R2 by a vortex mixer. **1500 rpm, 25°C, 00:00:10**

Make sure all beads are suspended well

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Make sure all beads are suspended well.

7 Insert Tube R2 into carrier of vortex mixer and mix for 15 min. **1500 rpm, 25°C, 00:15:00**

8 While waiting, open pounch and setup the reagent disc into holder. Install the holder on the Analyzer.

9 Spin down Tube R2. **5000 rpm, 25°C, 00:00:10**

Insert Tube R2 into Magnetic Rack and stand for 30 secs. **00:00:30**

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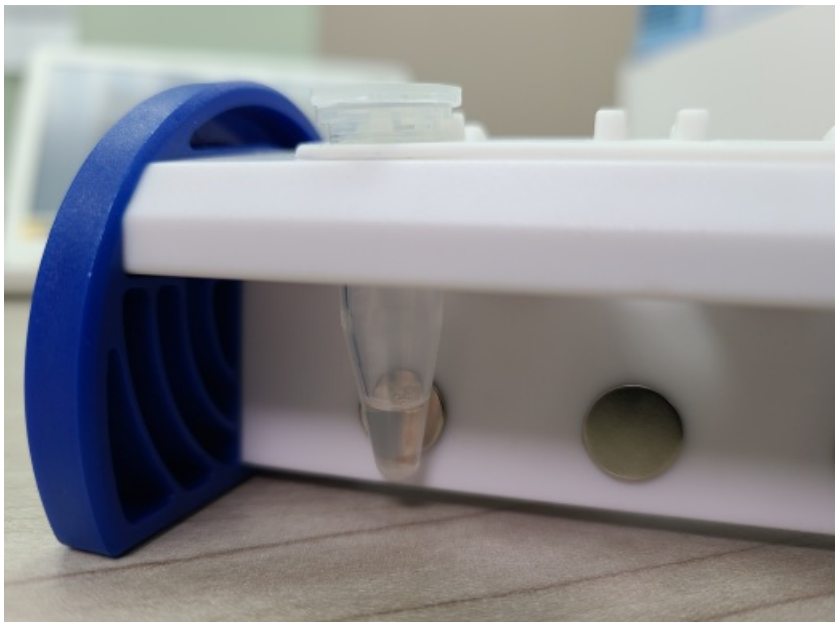


10 Remove supernantant of Tube R2.

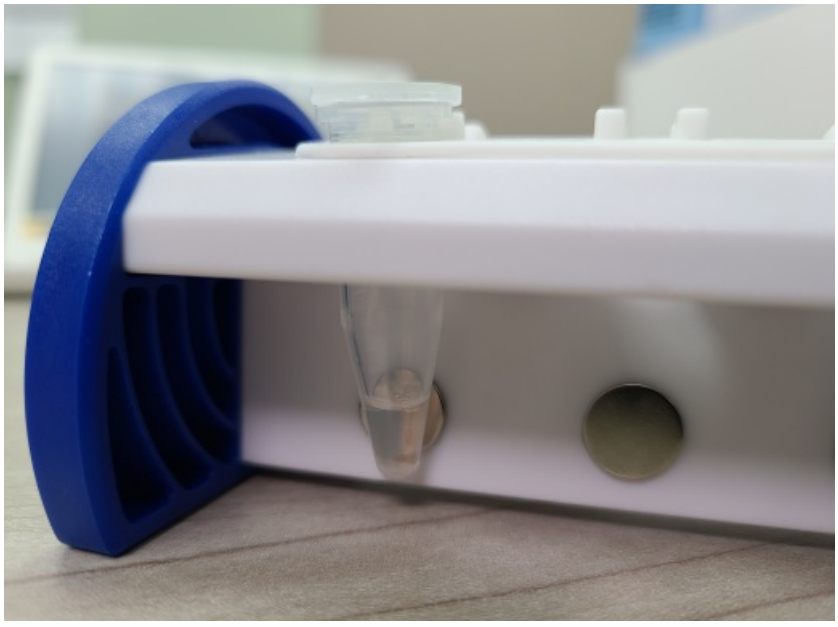
Attention, do not remove any magnetic beads.

11 Add 1000 uL Wash Buffer to Tube R2. **1000 µl Wash buffer**

Mix for 10 secs by a vortex mixer. **1500 rpm, 25°C, 00:00:10**

12 Spin down Tube R2 for 10 secs. **5000 rpm, 25°C, 00:00:10**

Insert Tube R2 into Magnetic Rack and stand for 30 secs. **00:00:30**



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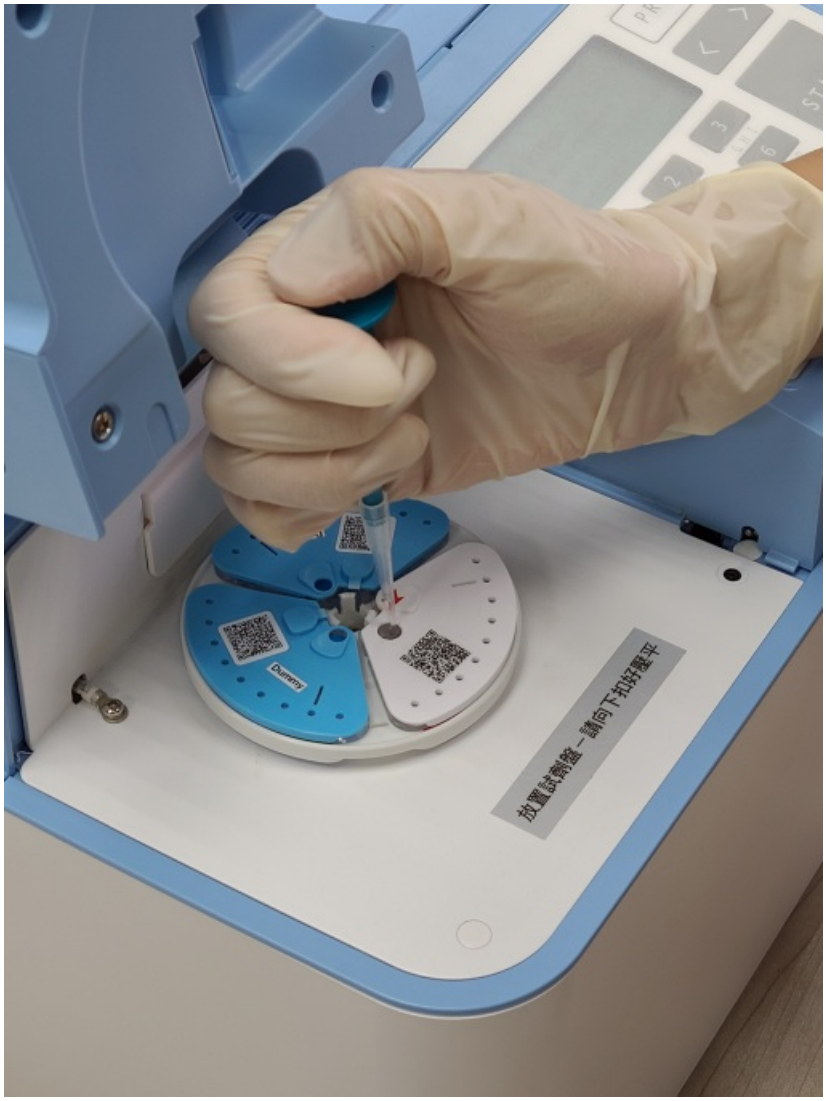
13 Remove supernantant of Tube R2.

Attention, do not remove any magnetic beads.

14 Transfer solution **100 µl from Tube R3** to the Tube R2.

Mix for 10 secs by a vortex mixer. **1005 rpm, 25°C, 00:00:10**

15 Transfer **100 µl from Tube R2** (including beads) into the Reagent Disc.



16 On the Mainpage of the Analyzer

(1) Select “Measurement”. (2) Select “Swab”. (3) Select “START”.

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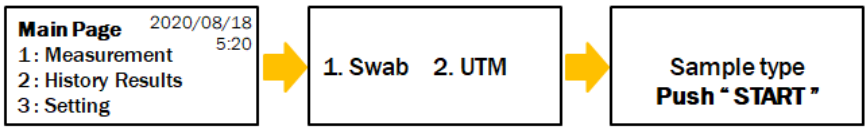
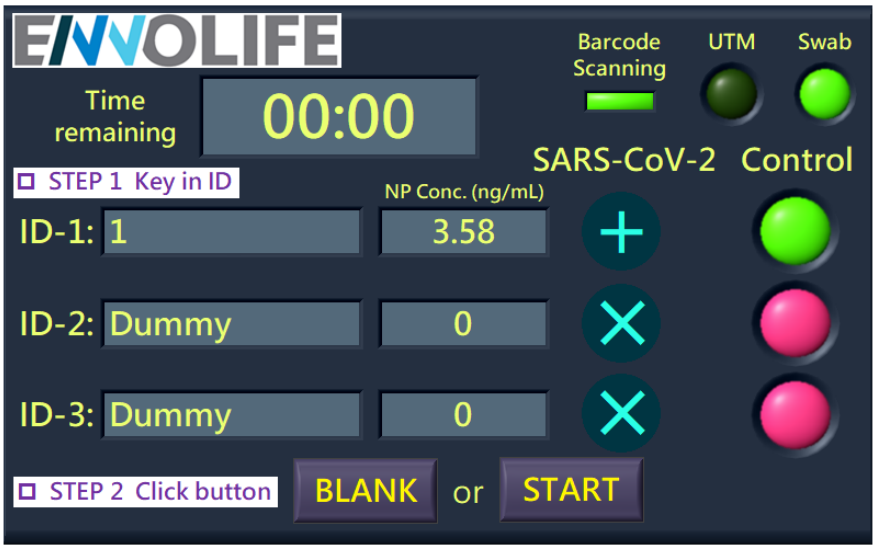


17 After 10 mins, software will show the results. **00:10:00**



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