

# Quick Start Guide

for Using the  
 Vector Smart™ Zika, Dengue, and Chikungunya RUO Product  
 (VZDC-R-001)



## 1 Plate the Master Mix

Perform in Clean Area

- a. Load the Co-Dx Box software.



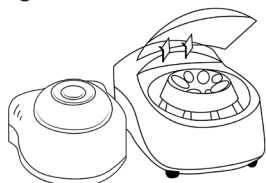
- b. In the Clean area, clean work surfaces with water > 10% bleach > water > 70% alcohol (in that order), or another equivalent method of cleaning that disinfects and degrades nucleic acids.



- c. Thaw the master mix (MM) and the nuclease-free water (NFW) (for the no-template control [NC]), on ice.

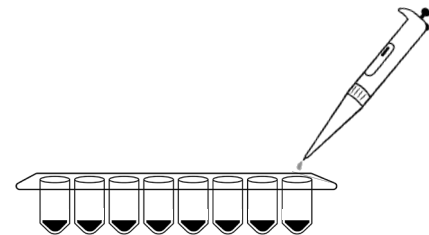


- d. Briefly vortex and centrifuge the MM and NFW reagents.

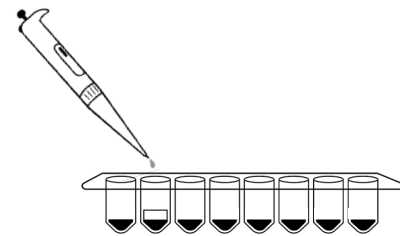


Perform in Clean Area

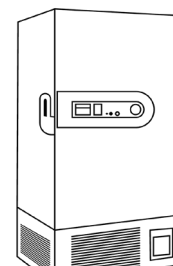
- e. Add 5  $\mu$ L of MM into every well that will be used (1 well for NC, 1 well for positive control [PC], and 1 well for each sample).



- f. Pipet 5  $\mu$ L of NFW into only the NC well and cap the NC well.



- g. Place reagents back into the freezer.



# Quick Start Guide

(continued)

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## 2 Plate Samples and Positive Control (PC)

Perform in Positive Area

- a. Load the Co-Dx Box software.



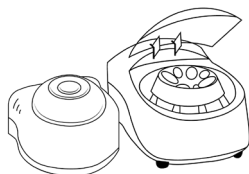
- b. In the Positive area, clean work surfaces with water > 10% bleach > water > and 70% alcohol (in that order).



- c. Thaw the PC on ice.



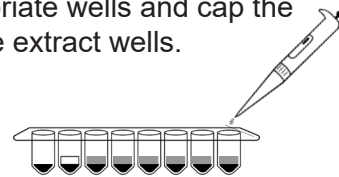
- d. Briefly vortex and centrifuge all reagents.



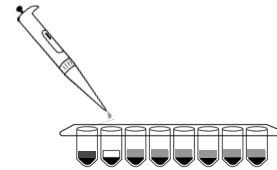
- e. Perform sample extraction, either using RNA extraction or lysis.

Perform in Positive Area

- f. Add 5  $\mu$ L of the sample extract to the appropriate wells and cap the sample extract wells.



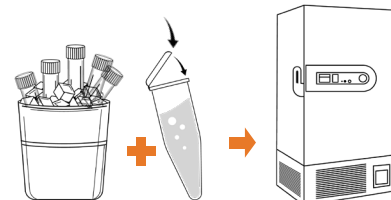
- g. Add 5  $\mu$ L PC to the PC well and cap the PC well.



- h. Place capped tubes in the thermocycler, in appropriate locations and fill the rest of the carousel with blank tubes.



- i. (Optional): Cap all tubes and place samples and reagents back into the freezer.



# Quick Start Guide

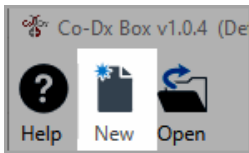
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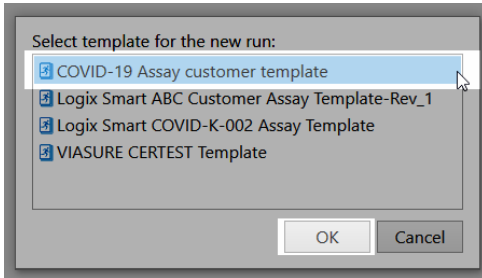


## 3 Start the Run

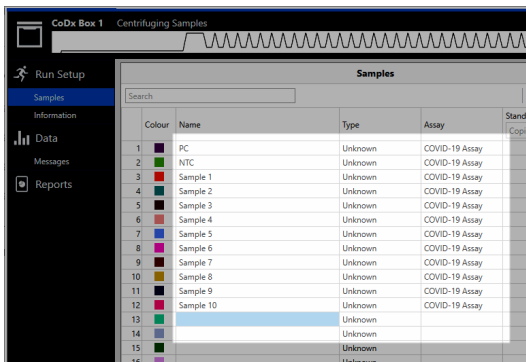
- a. In the Co-Dx Box software, click **New**.



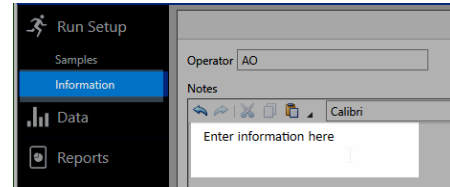
- b. Select an assay template and click **OK**.



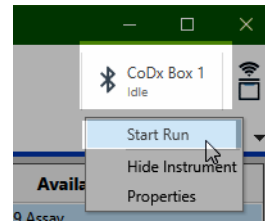
- c. Under **Run Setup**, select **Samples** and type sample information in the appropriate order.



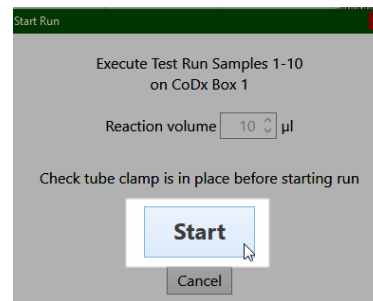
- d. Click **Information** and in the **Notes** field, type any needed information.



- e. Select the appropriate thermocycler and from the drop-down select **Start Run**.



- f. Verify the tube clamp is in place and the appropriate reaction volume is listed, and select **Start**.



The run initializes and a progress bar gives an estimated time to completion.

Perform in Co-Dx Box Software

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