OMEC FluoroVerse™ Quick User Guide

Cautions

DO NOT REMOVE LID
Use only the power supply provided with the instrument.

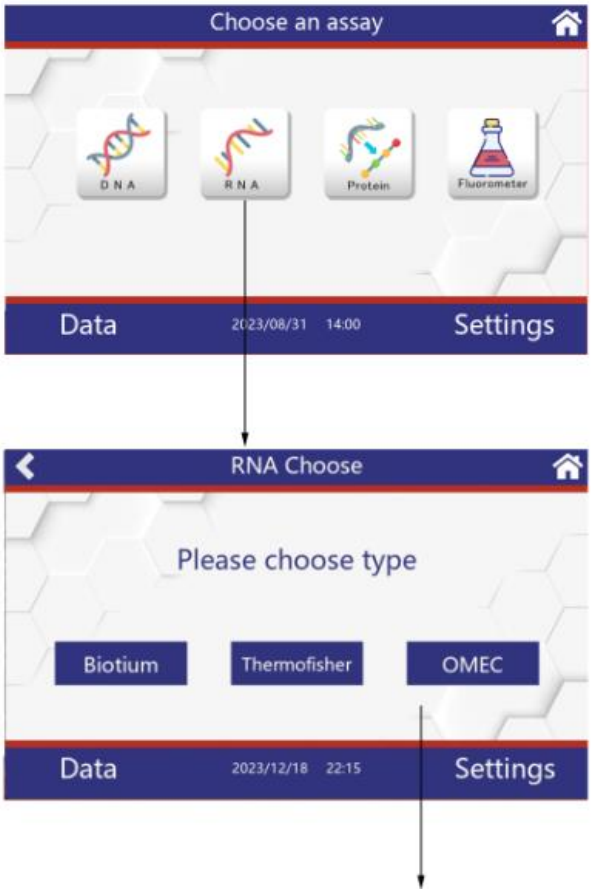
Basic Operation

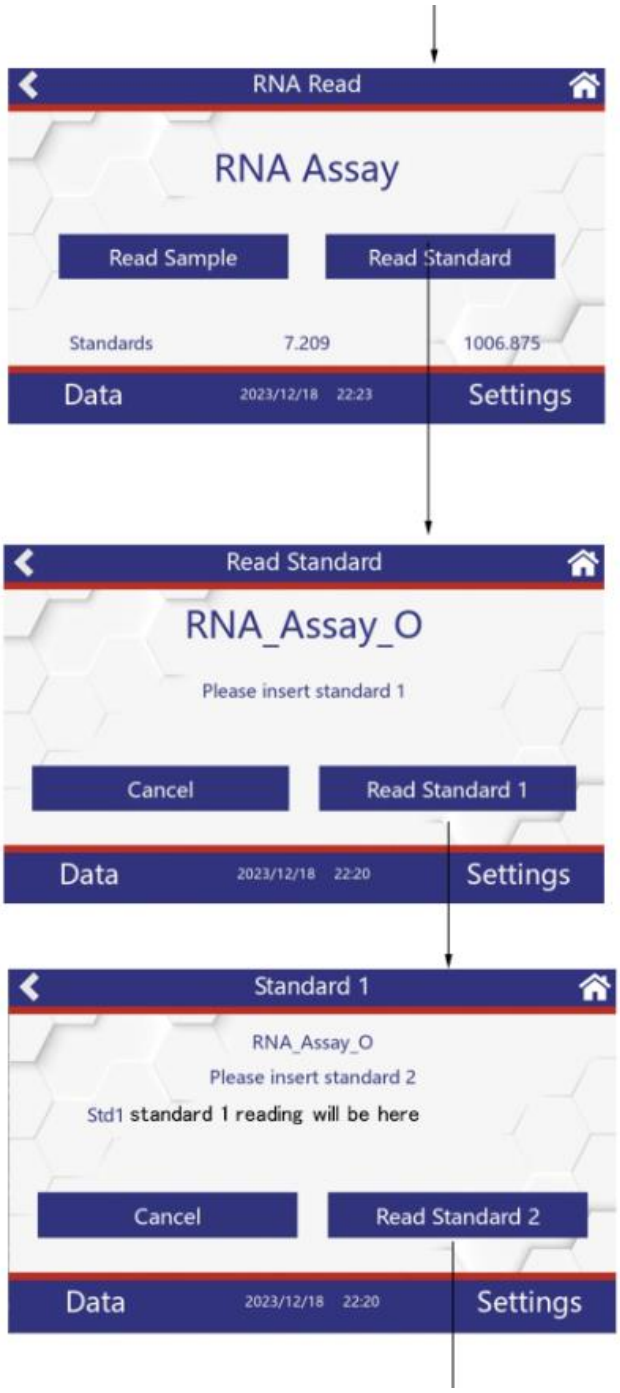
DNA and Protein Assay Mode Disabled

RNA concentration measurement mode:

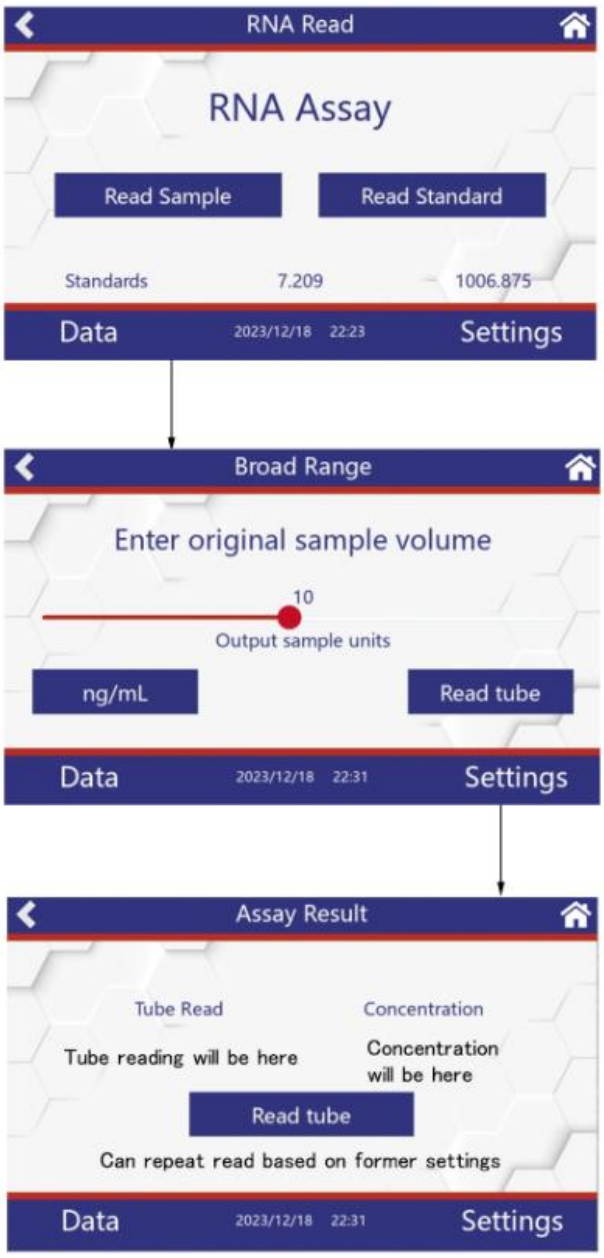
1. Insert the standard (200 µL or 210 µL in a thin walled 0.5 mL PCR tube) into the sample holder and close the lid.

2. Measure at least one replicate for a minimum of 2 standard concentrations for standard assays using **RNA** icon and choose one type (**Biotium**, **Thermofisher**, **OMEC**), then click **Read Standard** button, then **Read Standard 1** (lowest-end standard) and **Read Standard 2** (highest-end standard) successively. After two Standards have been read, tap **Done**.



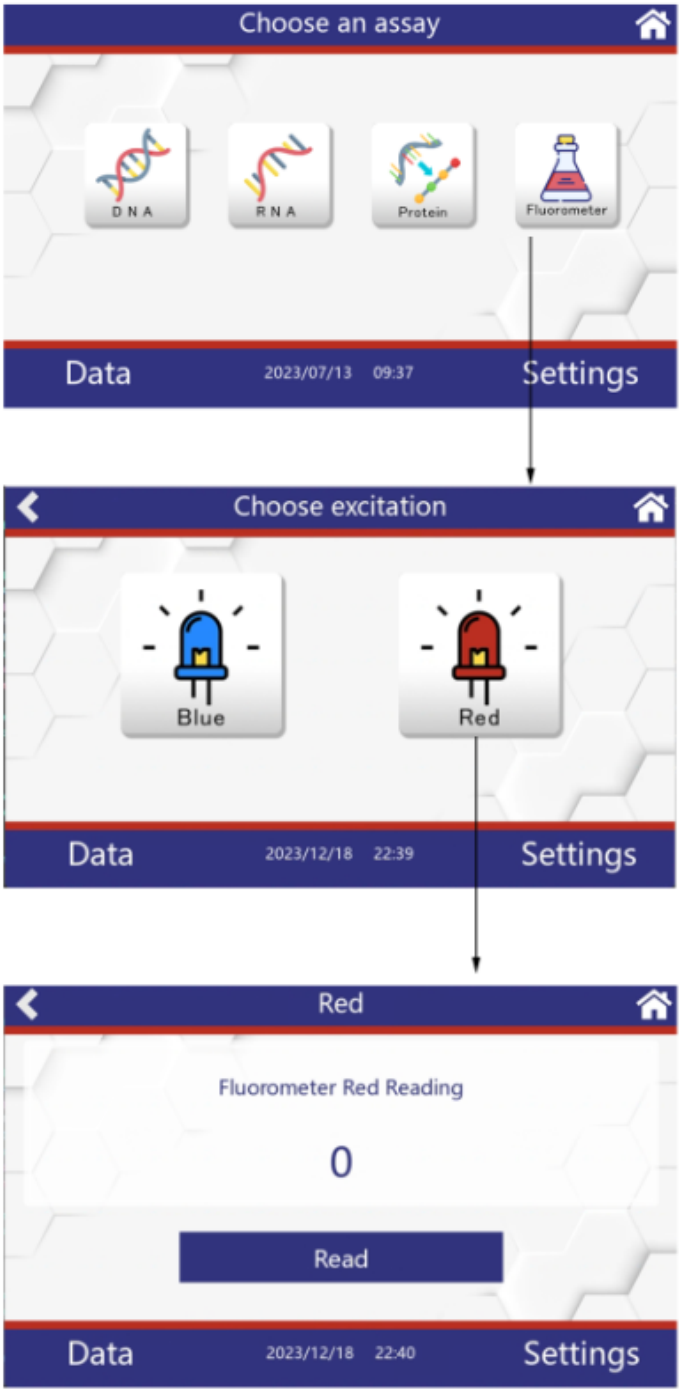

RNA Read
RNA Assay
Read Sample
Read Standard
Standards
7.209
1006.875
Data
2023/12/18 22:23
Settings
Read Standard
RNA_Assay_O
Please insert standard 1
Cancel
Read Standard 1
Data
2023/12/18 22:20
Settings
Standard 1
RNA_Assay_O
Please insert standard 2
Std1 standard 1 reading will be here
Cancel
Read Standard 2
Data
2023/12/18 22:20
Settings

3. Tap the **Read Sample** button, slide small round icon to enter the original sample volume, tap **ng/mL** to choose RNA concentration Unit, insert an unknown sample, close the lid and quantify it using **Read tube** button.



Fluorometer mode:

1. Insert the sample (200 µL or 210 µL in a thin walled 0.5 mL PCR tube) into the sample holder and close the lid.
2. Tap **Fluorometer** icons, choose **Red** icon, then tap **Read** button.



Data Export:

The data can be exported via USB flash drives as .csv files. Insert USB flash drive into USB port, it is automatically detected. Tap **Data** button on the left bottom corner, **RFU-XXXX-XX-XX** (Fluorometer data) and **RNA-XXXX-XX-XX** (RNA concentration data) displayed, choose one file folder (for example, **RFU 2023-12-12**), **../** folder and **Red** folder displayed, choose **Red** folder, click **Read** icon at the middle of the bottom screen, data displayed. Slide the right scroll bar and click all of rows you want to export, the selected rows will be highlighted with blue color, then tap **Export** icon, after data exported, **Done** pop-up, tap **Close** to go back to previous page. Tap **../** folder to go to main **Data** page to choose other file folders. If you want to export all data in this **Red** folder alternatively, tap **Select All** button on the left top corner, tap **Select None** to cancel.

Choose an assay
DNA
RNA
Protein
Fluorometer
Data
2023/08/31 14:12
Settings
Data
Home
Read
Delete
Data
Home
Read
Delete
Selet all here
Unselet all here
Select All
Select None
Time
Assay
Concentration
07/16/2023 16:29:23 AccuBlue_T 81.921ng/µL
07/16/2023 16:29:13 AccuBlue_T 68.837ng/µL
07/16/2023 16:28:36 AccuBlue_T
07/16/2023 16:28:21 AccuBlue_T
07/16/2023 16:28:06 AccuBlue_T 25.628ng/µL
07/16/2023 16:27:52 AccuBlue_T 10.361ng/µL
selected datas will be highlighted
Close
Export
Delete
need at least 1 selected data to export