

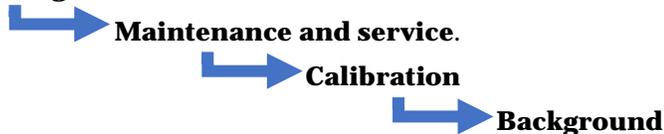


## Running a background plate on the QuantStudio 6 Pro

### Procedure:

1. Tap the touchscreen to bring the instrument out of sleep mode.
2. In the home screen of the QuantStudio 6 Pro instrument, click:

#### Settings



3. Insert your background plate and press **Start**.
4. When the run is complete, the instrument will display either **Calibration passed** or **Calibration failed**.
  - a) **If calibration passed**, click **Transfer EDS** to save it onto the **Network Drive xe3-iot-2019/PRO/Experiments/Background runs** enter Date-Background run-Your initials (ie. 30-Oct-20 Background run BS) to the data file name.

Click **Accept results**.

- b) **If calibration failed**, click **Details** to look at the Analysis Data. From the section on the right with the well positions, identify the well(s) that failed and note the locations. Next, rotate your plate 180° and run another background calibration. Identify the wells that have failed. If the contaminated wells are in the:
  - i) **Identical location** for both runs this means that the block is contaminated.
  - ii) **Reversed location** for the 2nd run this means that your plate is contaminated and must be discarded.

*If you have determined that the block is contaminated, **immediately notify the MPCL staff** so they can perform the decontamination procedure. **Never decontaminate the block yourself.***

5. Eject the background plate and return to the protective foil/plastic wrap cover.

Last updated Oct 30, 2020

