



Pre-calibrated miraculix QTest Photometer version 1.1

Please, before using the QTest Photometer, read these instructions carefully, as well as the short instructions below. It is to be used with IO RODEO Colorimeter fitted with the 595 nm wavelength board, to evaluate the color reaction of the miraculix MDMA-QTest, LSD-QTest, or Psilocybin-QTest.

Allow the LED to warm up for 5-10 minutes and then carry out the blank measurement, as the LED needs to calibrate. The blank is an initial measurement and its purpose is to ensure that when you are measuring your samples, the readings are based just on the sample being measured, eliminating any interference from the detection solution. Performing the blank measurement first is crucial for obtaining accurate and representative results.

Remember that you need an unused detection solution (specific to the corresponding Qtest) as a blank, and perform it just before the measurement with a minimum of 800 μ l in an empty semi-micro cuvette. Also, if you first measure a sample for MDMA and then you want to measure another sample for a different QTest, remember the blanks aren't the same ones. Be sure to use an unused detection solution that corresponds to the specific QTest you will perform!

***Note:** the cuvette has a face marked with a triangle pointing downwards. This triangular part should be positioned parallel to the photometer screen, and ensure that the triangle is pointing toward you.*

Be sure to always wear protective gear, when handling QTest reagents (nitrile gloves, glasses, lab coat, etc.) and read and strictly follow the instructions and warnings from the respective QTest.

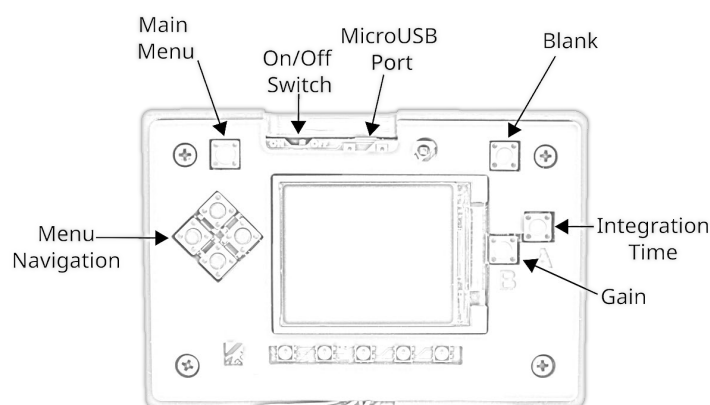
After completing the QTest procedure, and the blank measurement, carefully pipette at least 800 μ l of the colored detection solution you wish to analyze into a new empty semi-micro cuvette (remember that the reagents contain acids and/or solvents). Always compare the measurement result with the value determined using the color chart and make sure that it is a realistic value and to rule out potential errors.

After measuring, pipette the reagents back into the glass vials because the reagents can attack the plastic material of the cuvettes and cause them to leak.



Be aware that there are two protocols for the LSD-QTest, which give you the values for LSD-Tartrate based on the form of the sample: a **whole** blotter or **one** drop of a liquid sample. It's important to choose the correct protocol based on the form of LSD you are testing to obtain accurate results. For MDMA, values are given for the HCl salt in mg/g for **pills** (keep in mind: you have to calculate the result for the **whole pill** based on its weight, see QTest instructions) or for MDMA **powders**. Use 50 mg of substance for **pills** and 30 mg for **powders**.

Short instructions Qtest Photometer



First Steps:

- Switch on the photometer.
- The intro splash screen appears followed by the default absorbance screen.
- Press the top left button to enter the menu and use the cluster of 4 buttons on the left- hand side to navigate "↑↓" the menu.
- To select a mode (e.g., transmission) press the right "→" button in the cluster.
- Press the top left button to go back to the menu at any time.
- Select the right Qtest program for your measurement using the menu navigation.
- Let the LEDs warm up!
- Before starting a measurement, you need to blank (aka "zero" or "calibrate") the colorimeter. This sets the measurement background against which your sample is compared. Place the blank sample in the cuvette holder (the face marked triangle pointing downwards should be positioned parallel to the photometer screen, and ensure that it is pointing toward you).
- Place the black light- blocking cover over the cuvette holder.
- Press the top right Blank button. You should see a flashing "Blanking" line on the screen.



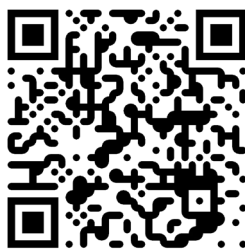
- Once the blanking has finished, place your sample in and record the concentration value.
- Now several samples can be measured one after another without needing to press a new button.
- Do not allow acid to drip onto the photometer, especially the optics. Work cleanly!

Check our webshop for upcoming Photometer Bulk Offers:

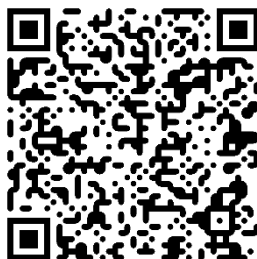
<https://uswebshop.miraculix-lab.com/>

<https://euwebshop.miraculix-lab.de/>

Check our FAQ Section at our <https://www.miraculix-lab.de/en/faq-photometer>.



For assistance in evaluation, especially with the photometer, join our Photometer Signal Chat (quick Q&A with us and other photometer users!).



The methods and underlying data or calibration curves can be found openly with further useful information at our website <https://www.miraculix-lab.de/en/faq-photometer>.

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