



## Pre-calibrated miraculix QTest Photometer version 1.0

For use with IO RODEO Colorimeter with the 595 nm wavelength board to evaluate the miraculix MDMA-QTest, LSD-QTest, or Psilocybin-QTest color reactions.

Allow the LED to warm up for 5-10 minutes and then carry out the blank measurement, as the LED need to equilibrate. Remember that you need an unused detection solution as a blank. Blank best directly before the measurement with a minimum of 800 µl in a semi-micro cuvette. 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 the execution of the QTest procedure, carefully pipette at least 800 µl of the colored detection solution into a semi-micro cuvette (always 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 to rule out 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.

There are two protocols for the LSD-QTest, which give you the values for LSD-Tartrate in a **whole** blotter or **one** drop of a liquid sample, depending on which protocol you choose. 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 the weight of your pill see QTest instruction) or for MDMA **powders**. Use 50 mg substance for **pills** and 30 mg for **powders**.

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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