AquaFluor™
Handheld Fluorometer/Turbidimeter

Congratulations on your new *Aqua*Fluor Handheld Fluorometer/Turbidimeter. We are committed to customer satisfaction. If you need assistance, technical specialists are available to answer your questions at 408-749-0994 or toll-free at 877-316-8049. This Quick Start Guide will help you set up the *Aqua*Fluor to begin collecting data as quickly as possible.

❶ Setup

Before the *Aqua*Fluor can be used, the supplied batteries must be installed.

1. On the back side of the instrument, remove the battery panel by loosening the center screw and then gently pulling on the screw.
2. Install the 4 - AAA batteries and verify the batteries are positioned correctly.
3. Replace the battery panel and press it down into position.
4. Hold the battery panel down in place and gently tighten the screw until it is snug. Do not over tighten the screw.

   Note: If the battery panel is very difficult to press down or remove, you can apply a small amount of silicon-based grease to lubricate the o-ring as needed.

❷ Calibration

Note: This calibration procedure applies to instruments displaying Firmware Version 1.0, all prior instruments please refer to Users Manual Section 2.4.2.

1. To begin, turn the *Aqua*Fluor on by pressing <ON/OFF>. Wait 5 seconds for *Aqua*Fluor to warm up.
2. Press <A/B> to toggle between different channels and select the channel you want to use. To identify the configuration, look at the label on the back side.
3. To perform a calibration, press the <CAL> button.
4. Press <ENT> to start the calibration.
5. Insert your blank sample and press <ENT>. The *Aqua*Fluor will average the reading for 10 seconds and set the blanking zero point.
6. Insert the standard sample and press <ENT>. The reading is averaged for 10 seconds and the Standard Calibration value is set.
7. Press the ↑ or ↓ arrow buttons to adjust the value of the first standard measured. Press <ENT> when finished.
8. Using the arrow keys, select to measure another standard or end the calibration and press <ENT>.
   a. If Next Standard is selected, insert your next standard concentration and press <ENT>. Repeat steps 7 – 8a for all standards.
   b. If Cal Done is selected Press <ENT>, go to the step 9.
9. Press the ↑ or ↓ arrow buttons to toggle through the units available; when desired units are displayed, press <ENT>. The Home screen will be displayed indicating calibration process has completed. Press <ENT> when the calibration is complete to accept the calibration.
10. If you have more than one channel you can press <A/B> to toggle to the other channel and repeat steps 3-9.
11. You are now ready to begin analyzing samples.

❸ Sample Analysis

1. Insert your sample. The *Aqua*Fluor is designed with "ambient light rejection". The black sample compartment cover does NOT need to be closed when reading samples.
2. The orientation and cleanliness of the cuvettes can have an impact on the accuracy of your results. Refer to Section 4 in the Users Manual for details.
3. Press the <READ> button. The instrument will measure and average the fluorescence signal for 5 seconds.
4. The reading result will be displayed on the top line of the Home screen.
5. The top left corner will then display "WAIT" for 5 seconds. Once "WAIT" disappears, another sample reading can be performed.

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