



## High Range (0 – 1500 ppm) QAC Test Strips

### ***Product description:***

High Range QAC Test Strips are designed to test Quaternary Ammonium Compounds in disinfectant solutions in the concentration range from 0 to 1500 ppm (mg/L) in semi-quantitative steps of 0 – 200 – 400 – 750 – 1000 – 1500 ppm.

The test pad contains indicator which changes color from yellow to yellow-green, green & then dark blue-green color depending on the level of QAC concentration. The calibration color chart is compatible with most of the widely used QAC based disinfectants.

### ***Operating principle :***

The color reaction between the indicator and quaternary ammonium compounds is based on the so called *indicator error*. This means that some QAC compounds can also effect a color change in pH indicators when in aqueous solution. Because of this, the test strips have to be specially buffered to avoid interference from the effects of pH & in spite of being called an *error* this method is nevertheless very accurate.

### ***Test Procedure :***

1. Immerse the pad in solution and remove immediately.
2. Immediately compare the pad to the color chart. Reading time (max. 5 seconds) is very important for accuracy of results.

### ***Notes:***

1. To obtain accurate and reliable results, it is important to adhere strictly to this Test Procedure. When the test pad is not evaluated immediately (within maximum 5 seconds after dipping) , then the color continues to develop & will cause false high readings (results).
2. The testing sample should be at room temperature (20C).
3. Strips are calibrated for Oasis; if testing Hyamine 1622, change dip time to 45 seconds in step1 in **Test Procedure**.
4. Keep the container closed when not in use.

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