

Test Procedure:

1. To the Reaction Bottle, slowly and carefully add the water sample to the upper marked line on the bottle (250 ml).
2. For best results verify that the water temperature is between 20°C to 30°C (ideally 22°C to 28°C).
3. Add 1 level pink spoon of First Quick™ Reagent to the Reaction bottle. Cap securely with red cap and shake vigorously with bottle upright for **15 seconds**.
4. Uncap the Reaction Bottle, add 1 level red spoon of Second Reagent. Cap securely with red cap and shake vigorously with bottle upright for **15 seconds**.

NOTE: This step allows the test to tolerate H₂S up to 2ppm. If you suspect the presence of H₂S (by smell or testing) it is recommended that you allow the sample to sit for 2 minutes to minimize H₂S interference before proceeding to Step 5.

5. Uncap the Reaction Bottle and add 1 level white spoon of Third Reagent. Cap securely with red cap and shake vigorously with bottle upright for **5 seconds** (five seconds).
6. Uncap, now recap securely using white cap with turret up (open).
7. Remove one Arsenic test strip from its bottle (immediately recap the test strip bottle). Insert the test strip into the turret as illustrated in the photo:

a) Position the strip so that the test pad and red line are facing the back of the white cap (see photo).

b) Insert the strip into the turret until the red line is even with the top of the turret, and now close (flip down) the turret, which will hold the test strip in place.

c) Allow the reaction to occur in an undisturbed, well-ventilated area. (NOTE: the test strip must be inserted and oriented correctly, and to the correct depth, in order for the results to be accurate).

8. **Wait 10 minutes.** You will notice small hydrogen gas bubbles generated from the Tartaric Acid and Zinc Dust Reagents.
9. **After the 10 minute wait**, pull up the turret and carefully remove the test strip. Do not touch the reaction pad on the test strip. Use the Color Chart (Low Range Quick™) to match the test strip pad color **within the next 30 seconds**; after 30 seconds the colors may begin to change. For best color matching results, use natural daylight, but not direct sunlight. Use the Easy-Read™ color chart card for increased matching accuracy: the reacted test strip pad is positioned behind the punched holes (view center of test strip pad through the hole) to confirm precise color match and arsenic level.

10. Record your results.

NOTE: If your Arsenic level is above 30 ppb, you may want to confirm the elevated levels more accurately by diluting the water sample 1 to 5 (fill to the bottom line with water sample to be tested and fill remaining bottle volume with arsenic free water to the upper line). Now run steps 2 to 10. When you record your result be sure to multiply by 5 for your true arsenic value.

