ACCURATURE

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Need a Favor?

Contact us without hesitation.

Shanghai Accurature Diagnostics Co., Ltd.

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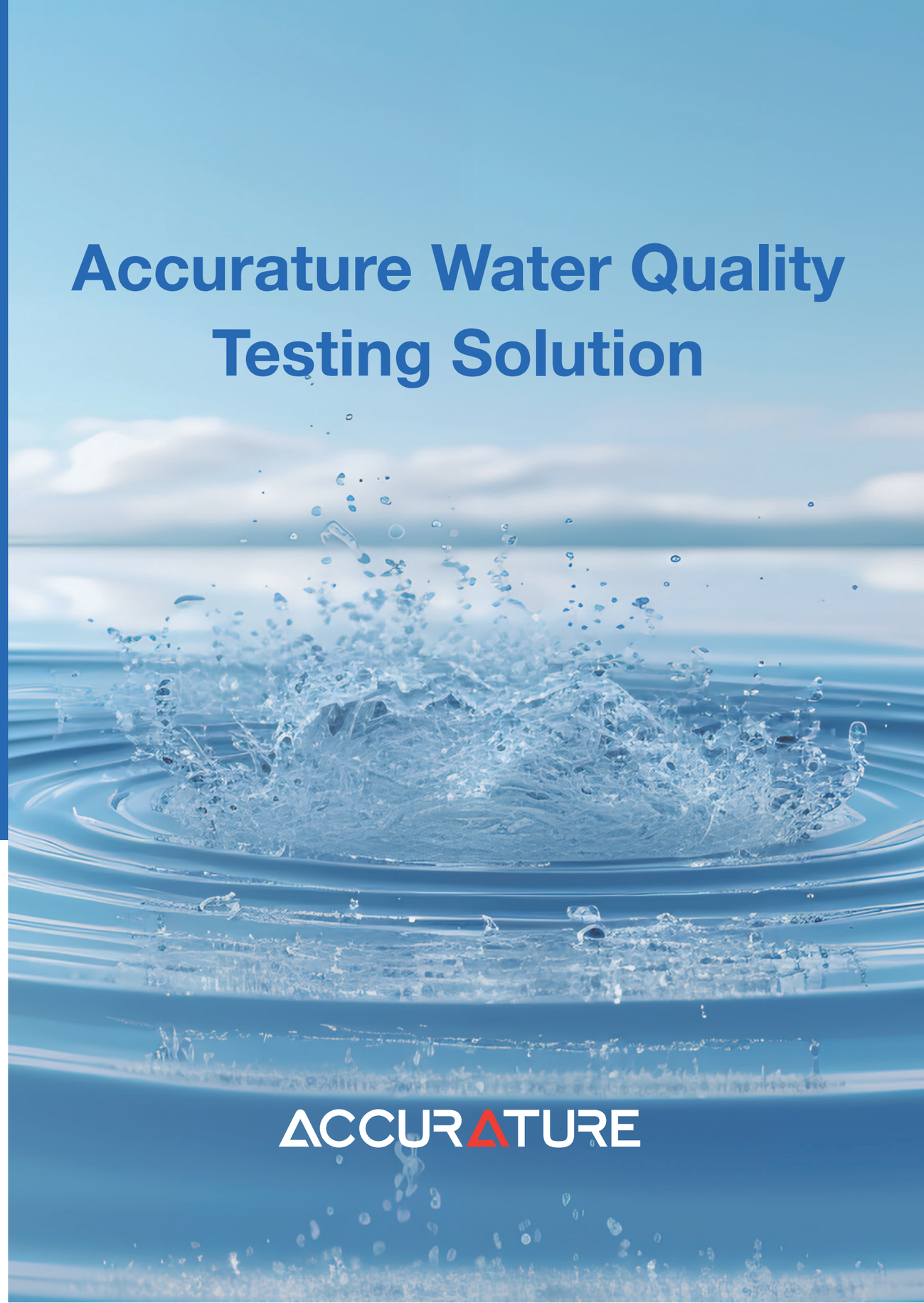
Accurature Water Quality Testing Solution



Company Introduction

Shanghai Accurature Diagnostics Co., Ltd is committing to the research & development, production and sales of in vitro diagnostics products including instruments, related reagents and end-to-end solutions of clinical diagnostics products and services, with a special focus on mental and central nervous system diseases. The company also cooperates with world-renowned research institutions in the early detection of psychiatric substances.

In addition, we are qualified with BSI-certified ISO13485, MDSAP and other quality systems.The company research lab includes PCR laboratory, NGS laboratory, cell culture room, P2 laboratory, physical and chemical laboratory and other professional research and development sites and supporting instruments and equipment to meet the scientific research cooperation at various levels.

Besides medical diagnostics products, we also developed water testing kits with a Total Water Quality Testing Solution such as Swimming pool & spa hot tubs testing, Aquarium (Aquaculture) testing, and Heavy metal in Drinking water testing ect. We proudly developed colloidal gold method with cutting-edge technology which leading the world market and providing the accurate, rapid, reliable result to the world users.

01

DRINKING WATER TEST

EPA APPROVED
TESTING METHOD

DRINKING WATER TEST

13 TESTS INCLUDED:

Heavy Metal
Plumbum(PB)
Cadmium(Cd)
Copper(Cu)
Mercury(Hg)
Manganese(Mn)
Beryllium(Be)
Arsenic(As)
Iron(Fe)

4 in 1 Test Strip
Free Chlorine(Cl_2)
Total Alkalinity(TA)
Total Hardness(GH)
pH

Escherichia Coli (E.Coli)

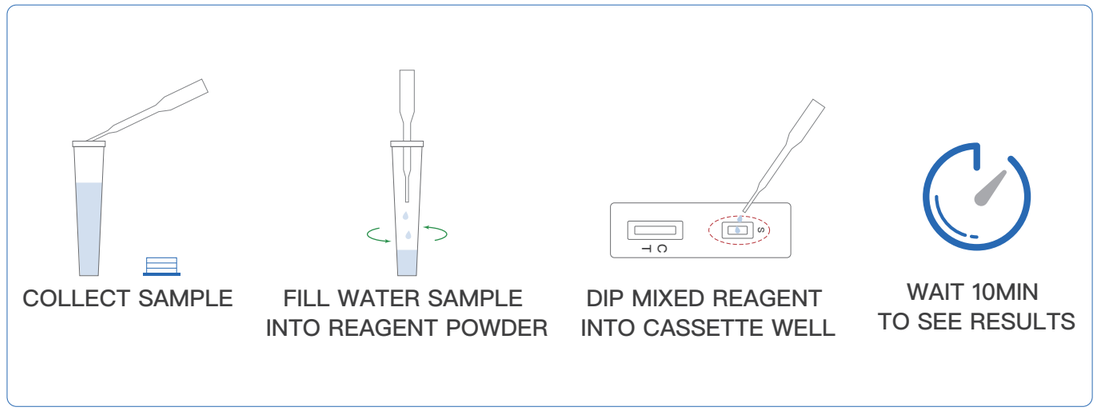
Colloidal Gold Method

For Heavy Metal Test Procedure

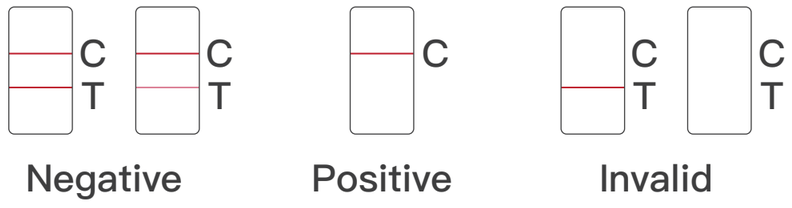
1. Read the instructions completely before performing the test. Remove the required number of test cards from the kit and return them to room temperature **(20–25°C)** together with the sample diluent. **Do not** open the test card pouch until the test card has returned to room temperature.

2. When the test card, reaction tube, and sample to be examined return to room temperature **(20 ～ 25℃)**, carefully open the bag of the test card, arrange the test card uniformly and mark it as needed.

3. Pipette the sample to be tested to the scale line **(about 80ul)**, add to the reaction tube, slowly suction until the test sample and the reaction reagent are fully mixed, about **3–5 times**, pipette the liquid in the reaction tube, slowly add to the test card spiking hole, start timing, after spiking the test card should be horizontal static, After **5 minutes**, observe the results. To ensure the accuracy of the results, **do not** interpret the results after **10 minutes**.



Interpretation of results:



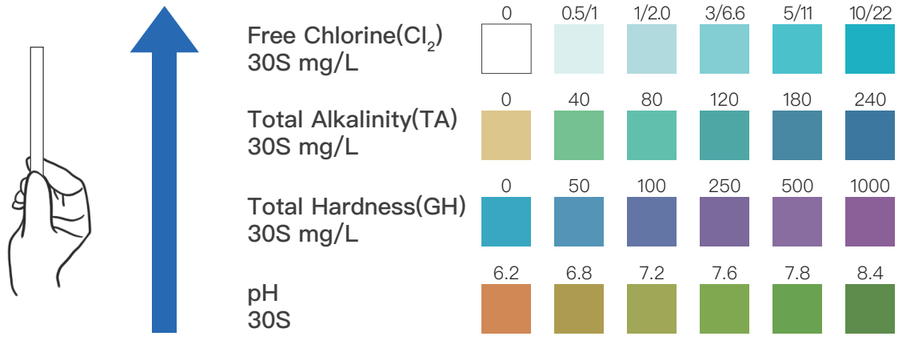
Dry Chemistry Method

For 4 in 1 Test Strip Test Procedure

1. Immerse all the testing parts of the test strip into water for **1 second** and take it out.

2. **Do Not** shake excess water off, hold the strip horizontally for **15 seconds**.

3. Compare against the color chart and read immediately for accurate results.



Incubation Method

For Escherichia Coli (E. Coli) and Coliform Bacteria Test Procedure

1. Wash hands thoroughly with soap and water and then adjust the water flow to a slow stream.

2. Without touching the inside of the cap, remove it carefully and fill the bottle to the shoulder.

3. Shake the bottle forcefully for **20 seconds** to dissolve the powder.

4. Place the sealed bottle in a room with a temperature range between **68–90*F**. Leave the bottle undisturbed and away from direct sunlight.

4. After the **48 hours** incubation time observe the color of the sample:

No harmful bacteria were detected in the sample.

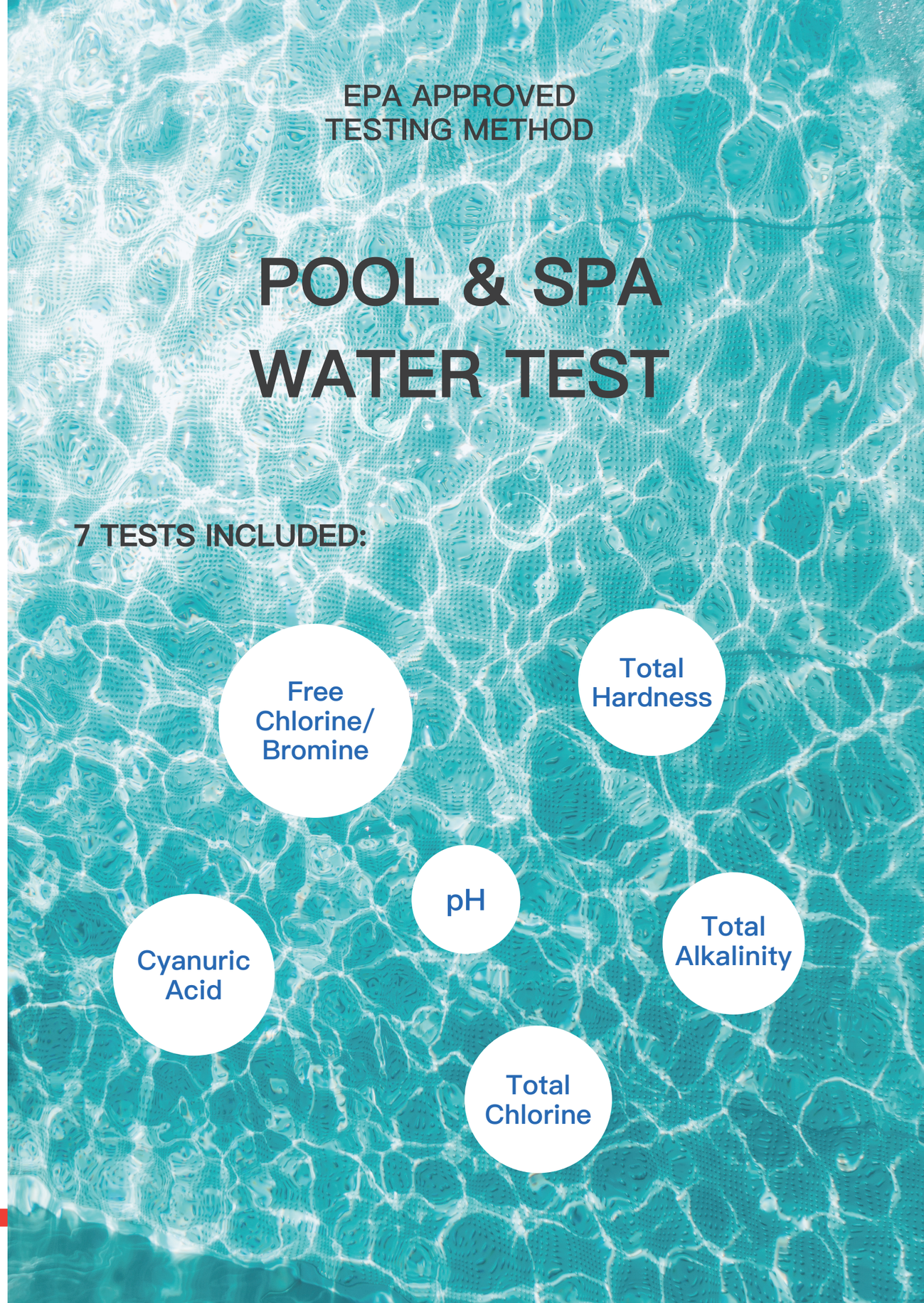
It's highly likely that harmful bacteria are present.

MEASURES FOR POSITIVE RESULTS

Add bleach to the sample then pour it down the toilet. Thoroughly wash hands. Consider the water unsafe and contact your local health department for bacterial confirmation(count and type) and suggested actions to be taken.

02

POOL & SPA WATER TEST



POOL & SPA TEST STRIPS

Total Hardness

Free Chorine (Bromine)

Cyanuric Acid

Total Chlorine

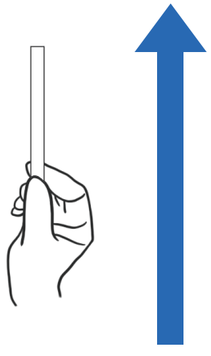
Total Alkalinity

pH

Dry Chemistry Method

For 7 in 1 Test Strip Test Procedure

1. Immerse all the testing parts of the test strip into water for 1 second and take it out.
2. Do Not shake excess water off and hold the strip horizontally for 15 seconds.
3. Compare against the color chart and read immediately for accurate results.



CHLORAMINES TEST KIT

DPD Method

For Measurement of Residual Chlorine and Combined Chlorine Test Procedure

1.After cleaning the test tube, take the pool water and add it to the test tube to 20mL of the line.

(Take 20mL of water, 1 drop=0.2 ppm; take 40mL of water, 1 drop=0.1 ppm)

2. After adding 5 drops of DPD–1 and mixing with 5 drops of DPD–2, a red color will appear when there is free residual chlorine.
3. Add DPD–D while stirring and counting the number of drops until the red color turns colorless.
4. Multiply the number of drops in step 3 by 0.2 to obtain the free residual ppm (FC).
5. Add 5 more drops of DPD–3, and if there is combined chlorine , it will turn red again.
6. Add DPD–D again and calculate the number of drops until the red color turns colorless.
7. Multiply the number of drops in step 6 by 0.2 to obtain the combined chlorine concentration ppm (CC).

(Note: Combined chlorine is the sum of monochloramines and dichloramines, which is chloramines.)

SWIMMING POOL ACCESSORIES

DPD Method

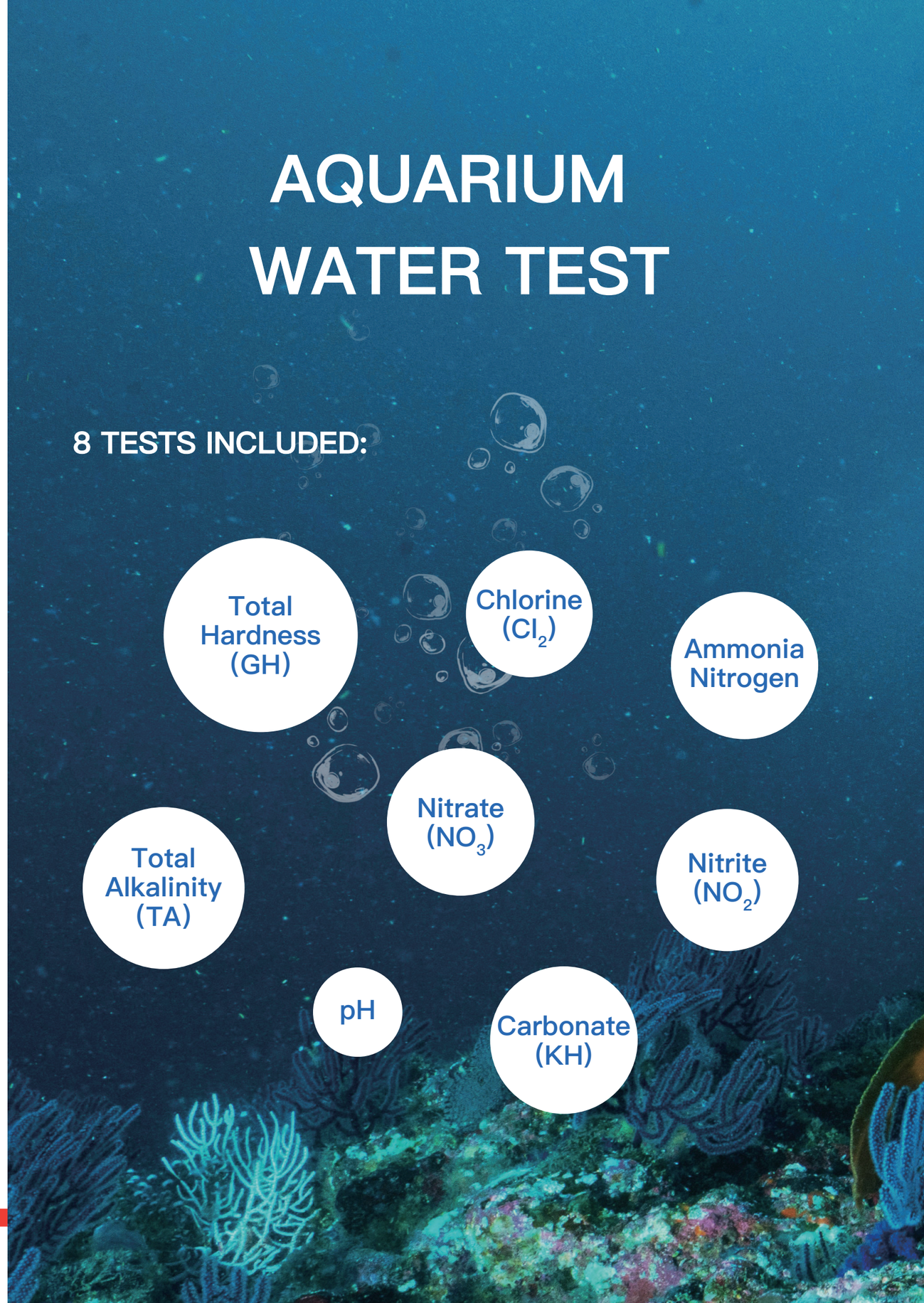
For Swimming Pool Accessories Test Procedure

1. Rinse the test vial and fill to the mark with water sample.
2. Add 4 drops of OTO(ortho–tolidine)/red phenol solution.
3. Place cap on vial and shake to mix.
4. Compare your reading with the scale values.

- For effective treatment, the reading should be between 0.6 and 1.5(ideal)
- For comfortable water and a saving of chemical products, the reading should be between 7.2 and 7.6(ideal)

03

AQUARIUM WATER TEST



AQUARIUM TEST STRIPS

Dry Chemistry Method

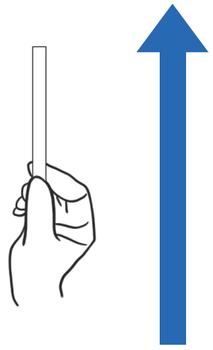
For 7 in 1 Test Strip Test Procedure

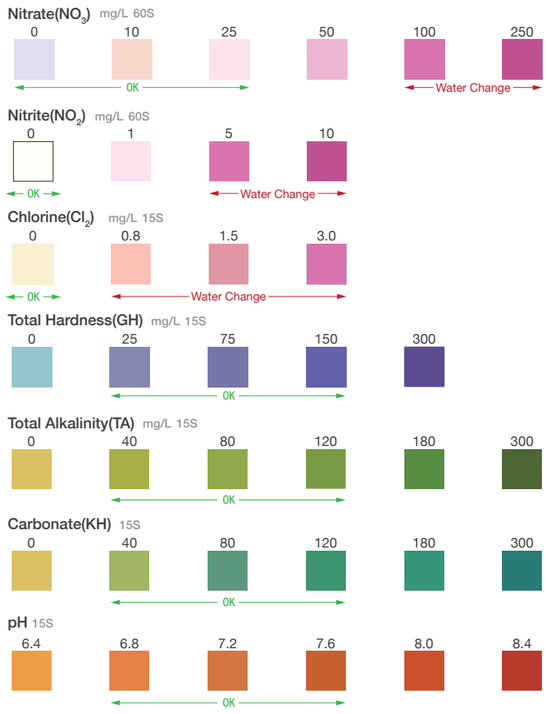
1. Immerse all the testing parts of the test strip into water for **1 second** and take it out.

2. **Do Not** shake excess water off and hold the strip horizontally for **15 seconds**.

3. Total Hardness/Free Chlorine/Total Alkalinity/Carbonate/pH waiting for **15 seconds** and compare against the color chart for accurate results.

Nitrate/Nitrite–Suggest waiting for **60 seconds** and compare against the color chart for more accurate results.





AQUARIUM TEST KIT

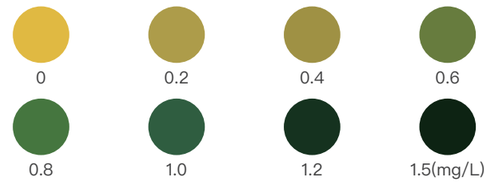
DPD Method

For Ammonia Nitrogen Test Procedure:

1. Rinse the sampling cup twice, collecting water sample line up **2mL** into the tube.

2. Filling **10 drops** of Ammonia Nitrogen(1), then filling **10 drops** Ammonia Nitrogen(2). Shake lightly.

3. Place the mixture for **10 minutes** then compare the color chart to find the Ammonia Nitrogen content (mg/L).

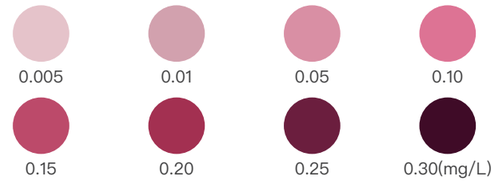


For Nitrite Test Procedure:

1. Rinse the sampling cup twice, collecting water sample line up **4mL** into the tube.

2. Filling **5 drops** of Nitrite Shake lightly.

3. Place the mixture for **5 minutes** then compare the color chart to find the Nitrite content (mg/L).



For pH Test Procedure:

1. Rinse the sampling cup twice, collecting water sample line up **5mL** into the tube.

2. Filling **2 drops** of pH and Shake lightly.

3. Place the mixture for **1 minute** then compare the color chart to find the pH Value.