4140-06-0515

API®

COPPER (Cu^{+}) TEST KIT INSTRUCTIONS

Why Test for Copper?

Copper is often used to treat parasitic infections on fresh and saltwater fish. To be effective, the copper concentration in the aquarium must be maintained at the therapeutic level for several weeks. Frequent testing is required to monitor the level. Copper should not be used in aquariums with invertebrates, including snails, shrimp, crayfish and corals, as well as in aquariums or ponds with plants. Also, some fish species are very sensitive to copper treatments. Copper can also enter the aquarium in tap water which may contain copper leached from pipes.

Testing Tips

This test kit reads the level of total copper (free and chelated) in parts per million (ppm) which are equivalent to milligrams per liter (mg/L) from 0 - 4.0 ppm (mg/L). Chelated copper compounds are very stable and will remain in solution for long periods of time. Free copper levels will decline rapidly and must be tested daily.

Directions

To remove childproof safety cap: With one hand, push red tab left with thumb while unscrewing cap with free hand.

1. Fill a clean test tube with 5 ml of water to be tested (to the line on the tube).
2. **Add 10 drops of Copper Test Solution**, holding dropper bottle upside down in a completely vertical position to assure uniformity of drops.
3. Cap the test tube and shake for 5 seconds.
4. Wait 1 minute for the color to develop.
5. Remove the cap. Hold the test tube upright over the white area on the color card and **view the color of the solution by looking down at the test tube from above.** The closest match indicates the ppm (mg/L) of copper in the water sample. **Even a very faint color indicates the presence of copper.** Rinse the test tube with clean water after use.

Reducing Copper Levels

To reduce copper in the aquarium, first make a partial water change and then add API BIO-CHEM ZORB® / CRYSTAL to the filter. BIO-CHEM ZORB / CRYSTAL is a combination of scavenger resins, ion exchange resins and carbon adsorbents in a convenient pouch which will completely remove any residual copper left in the aquarium. If copper levels are too high in ponds, first perform a series of partial water changes and then add activated filter carbon to your filter to remove any residual copper that may be left.

MARS

fishcare

North America

50 E. Hamilton St., Chalfont, PA 18914

Europe

Freeby Lane

Waltham-on-the-Wolds, LE14 4RS

United Kingdom

0-800-014-8173