

## Calcium

### Fritz Liquid Test Kits

- Easy to Read Instructions
- Essential to Monitor Proper Ionic Balance
- Accurate in both Fresh and Saltwater

Calcium ( $\text{Ca}^{2+}$ ) is vital to many biological functions. In saltwater aquariums, calcium should remain in the proper ionic balance along with alkalinity (KH) and magnesium ( $\text{Mg}^{2+}$ ). A calcium level outside of this ionic balance can cause poor coral skeleton growth and tissue necrosis. Calcium uptake in reef aquariums can change over time and should be regularly tested to ensure proper dosing.

Freshwater aquariums also require routine monitoring of calcium. Plants require calcium for proper leaf growth and other functions. Invertebrates, such as shrimp and snails, require the right amount of calcium to maintain shell integrity and prevent molting problems.

### Dosage / Instructions

To remove childproof safety cap, push down while turning.

1. Fill a test tube with 5 ml of water to be tested (to the line on the tube).
2. Add 10 drops from Calcium Test Solution Bottle #1, holding dropper bottle upside down in a completely vertical position to ensure uniformity of drops added to the water sample.
3. Cap the test tube and gently shake several times to mix solution. Attention! Always use the cap. Avoid skin contact as this may affect the test results.
4. Vigorously shake the Calcium Test Solution Bottle #2 for at least 10 seconds.
5. Holding the bottle vertically, Add Calcium Test Solution #2 drop by drop into the test tube, shaking gently between and counting drops. Stop when the solution changes from pink to blue. As the blue endpoint is approached, color will change from pink to purple before changing to blue. After purple color forms, only 1-2 more drops should be required to reach the blue endpoint. Calcium level is # of drops x 20. Use chart to determine calcium level.



### Available Sizes / Tests / Item #

|       |          |       |
|-------|----------|-------|
| 1 kit | variable | 04007 |
|-------|----------|-------|