Why Test Nitrite?

Nitrite is a toxic compound that can be present in aquariums as a result of the breakdown of organic waste, including uneaten food, fish waste, and decaying plant matter. Beneficial bacteria produce nitrite during the nitrogen cycle, converting ammonia to nitrite, which is an essential process for maintaining a healthy aquarium environment. However, nitrite is toxic to fish and can cause significant health problems, even death, particularly in high concentrations. Therefore, it is essential to address elevated nitrite levels quickly to avoid harm to aquarium inhabitants.

Regular testing of nitrite levels in aquariums is crucial to ensure that they remain at safe levels. Nitrite levels should be kept below 0.5 ppm (parts per million) in freshwater aquariums and below 0.1 ppm in saltwater aquariums. If nitrite levels are elevated, partial water changes and reduced feeding can help to reduce the levels. Additionally, adding FritzZyme Nitrifying Bacteria can help to convert nitrite to nitrate, reducing nitrite levels and promoting a healthier environment for aquarium inhabitants.

FRITZ

NITRITE NO_2^- TEST KIT

INSTRUCTIONS

FRITZ AQUATICS
Distributed by: Fritz Industries, Inc.
Mesquite, TX 75149

MADE IN USA
www.fritzaquatics.com
Questions or Comments?
Email: info@fritzaquatics.com

FOR FRESH & SALTWATER AQUARIUMS

Directions for Testing Nitrite Levels

NOTE: Read instructions thoroughly before testing.

⚠ **DO NOT allow Test Solutions to get into aquarium.**

To remove childproof safety cap, push down while turning.

01 Fill a clean test tube with **5 ml** of water to be tested (to the line on the tube).

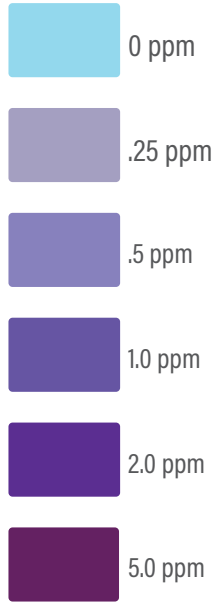
02 **Add 5 drops** from **Nitrite Test Solution**, holding dropper bottle upside down in a completely vertical position to ensure uniformity of drops added to the water sample.

03 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.

04 Wait **five minutes** for the color to develop.

05 Read the test results by matching the color of the solution against those on the Nitrite Test Color Chart.

For best results the tube should be viewed against the white area beside the color chart in a well-lit area with a light source behind you. The closest match indicates the Nitrite in the water sample. Rinse the test tube with clean water after each use.



Corrective Actions

- Always reduce feeding temporarily if any nitrite is detected
- If the nitrite level is above 0.5 ppm, perform a 25% water change
- Treat replacement water with Fritz Guard Water Conditioner to greatly reduce fish stress and the chance of infection. For best results, add FritzZyme Nitrifying Bacteria to naturally reduce toxic ammonia and nitrite quickly.