

Colombo B07T4JSH56

Colombo Aquatest NO2 Nitrite Pond Test Kit

User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the proper use, setup, operation, and maintenance of the Colombo Aquatest NO2 Nitrite Pond Test Kit. This kit is designed for accurately measuring nitrite concentration in pond water, ensuring optimal water quality for aquatic life. Each kit contains sufficient reagents for approximately 40 tests.



Image: The retail packaging of the Colombo Aquatest NO2 Nitrite Pond Test Kit. The box is primarily yellow and black, featuring illustrations of various aquatic life such as koi, sturgeon, and small fish. Text on the box indicates 'Aquatest NO2 test Nitrite' and mentions '40x tests' for pond, fresh, and sea water.

2. SAFETY INFORMATION

WARNING:

Please read all product packaging literature and product labels carefully before use. Keep out of reach of children and pets. Avoid contact with skin and eyes. In case of contact, rinse immediately with plenty of water. Do not ingest. If swallowed, seek immediate medical attention. Dispose of used reagents and samples responsibly according to local regulations.

3. KIT COMPONENTS AND SETUP

Before beginning, ensure all components are present and undamaged. The kit typically includes:

- Nitrite Reagent 1 (Liquid)
- Nitrite Reagent 2 (Liquid)
- Test Tube(s) with cap
- Color Chart for result comparison
- Instruction Leaflet (this manual serves as a detailed guide)

3.1 Initial Setup

1. Unpack all components from the kit box.
2. Familiarize yourself with the reagents and the color chart.
3. Ensure the test tube(s) are clean and dry before first use.

4. OPERATING INSTRUCTIONS: PERFORMING THE NITRITE TEST

Follow these steps carefully to ensure accurate nitrite measurements:

1. **Prepare the Sample:** Fill the test tube with 5 ml of the pond water to be tested. Ensure the water sample is taken from a representative area of the pond, away from surface film or debris.
2. **Add Reagent 1:** Add 5 drops of Nitrite Reagent 1 to the test tube. Cap the test tube and gently invert it several times to mix the solution.
3. **Add Reagent 2:** Add 5 drops of Nitrite Reagent 2 to the test tube. Cap the test tube again and gently invert it several times to mix thoroughly.
4. **Wait for Reaction:** Allow the test tube to stand undisturbed for 5 minutes. During this time, the color of the solution will develop.
5. **Compare Results:** After 5 minutes, compare the color of the solution in the test tube with the color chart provided in the kit. Hold the test tube against the white background of the color chart in good lighting conditions (preferably natural daylight).
6. **Interpret Reading:** Match the color in the test tube to the closest color on the chart. The corresponding number indicates the nitrite concentration in mg/L (ppm).

Note: For best accuracy, perform tests at consistent times of day and under similar lighting conditions. Rinse the test tube thoroughly with distilled or deionized water immediately after each use.

5. MAINTENANCE

Proper maintenance of your test kit components will ensure longevity and accuracy:

- **Cleaning Test Tubes:** After each test, thoroughly rinse the test tube(s) multiple times with clean tap water, then with distilled or deionized water to remove any residual chemicals. Allow them to air dry completely before storing.
- **Reagent Storage:** Store reagents in their original bottles, tightly capped, in a cool, dark place away from direct sunlight and extreme temperatures. Do not refrigerate unless specifically instructed.
- **Expiry Dates:** Check the expiry dates on the reagent bottles. Expired reagents may yield inaccurate results and should be replaced.
- **Kit Storage:** Store the entire kit in its original packaging in a dry, safe place to protect components from damage and contamination.

6. TROUBLESHOOTING

If you encounter issues while using the test kit, consider the following:

Problem	Possible Cause	Solution
Inaccurate or inconsistent readings	<ul style="list-style-type: none">• Improper sample collection• Incorrect reagent dosage• Expired or contaminated reagents• Test tube not clean	<ul style="list-style-type: none">• Ensure sample is representative and free of debris.• Carefully count drops and ensure proper mixing.• Check expiry dates; replace if expired or suspected contaminated.• Thoroughly clean and dry test tube before use.
Color does not develop or is faint	<ul style="list-style-type: none">• Reagents added in wrong order or insufficient quantity• Test performed too quickly (insufficient reaction time)• Nitrite level is genuinely zero	<ul style="list-style-type: none">• Review operating instructions and repeat test carefully.• Ensure the full 5-minute reaction time is observed.• If all steps are correct, a zero reading indicates no nitrite is present.
Difficulty matching color on chart	<ul style="list-style-type: none">• Poor lighting conditions• Color blindness	<ul style="list-style-type: none">• Compare in natural daylight or under a full-spectrum light source.• If possible, have another person verify the color match.

7. SPECIFICATIONS

Product Name	Colombo Aquatest NO2 Nitrite Pond Test Kit
Brand	Colombo
Model Number (ASIN)	B07T4JSH56
Measurement Parameter	Nitrite (NO2)
Test Capacity	Approximately 40 tests
Care Instructions	Disposable (referring to the test itself)

Date First Available	June 14, 2019
Manufacturer	Colombo

8. WARRANTY AND SUPPORT




For information regarding product warranty, returns, or technical support, please refer to the official Colombo website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

For general inquiries or further assistance, you may also contact the retailer from whom you purchased this product.

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This manual is subject to change without notice. Please visit the manufacturer's website for the latest version.

Related Documents - B07T4JSH56

	<p>Colombo Morenicol Fish Protect - Pond Water Treatment & Fish Care Guide</p> <p>Comprehensive guide to Colombo Morenicol Fish Protect for pond owners. Learn how to effectively treat pond water, remove chlorine and pollution, protect fish health, and restore water condition. Includes dosage and application instructions.</p>
	<p>Morenicol Alparex: Treatment for Invisible Parasites in Pond Fish</p> <p>A comprehensive guide to using Morenicol Alparex by Colombo for treating invisible parasites and common infections in ornamental pond fish. Includes detailed information on dosage, water quality requirements, precautions, disease identification (white spot, fungal infections, parasites), and product interactions.</p>
	<p>Morenicol Lernex® Pond Fish Treatment: Effective Parasite Control Guide</p> <p>Comprehensive guide to Morenicol Lernex, a treatment for pond fish parasites including skin flukes, gill flukes, anchor worms, leeches, and more. Learn about dosage, application, warnings, and parasite identification.</p>



[Colombo Natura Lily Soil: Planting Guide for Water Lilies](#)

Learn how to plant and care for water lilies using Colombo Natura Lily Soil. This guide provides step-by-step instructions for optimal growth and nutrient management in your pond.



[Morenicol Cytofex: Natural Bacterial Infection Treatment for Pond Fish](#)

A guide to Morenicol Cytofex, a 100% natural treatment for external bacterial infections in ornamental pond fish, covering dosage, application, water quality, disease information, and precautions. Effective against skin ulcers, fin rot, and hole disease.



[Blaupunkt Car Radio Colombo 130 BT Operating Instructions](#)

Comprehensive operating instructions for the Blaupunkt Car Radio Colombo 130 BT, covering installation, operation, features, and troubleshooting.