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LaMotte 3366

LaMotte 3366 Model PM-41 Pool Manager Water Test Kit User Manual

Model: 3366 | Brand: LaMotte

INTRODUCTION

This manual provides comprehensive instructions for the proper use, maintenance, and troubleshooting of the LaMotte 3366 Model PM-41 Pool Manager Water Test Kit. This kit is designed for public pool operators to accurately test water parameters using the precise Octa-Slide Comparator system, ensuring compliance with regulatory standards. The kit includes diagrammed instructions, a saturation index calculator, a water quality handbook, and an eight-standard Octa-Slide Comparator system for chlorine and pH. All components are housed in a durable, blow-molded carrying case.

KIT CONTENTS

The LaMotte 3366 Model PM-41 Pool Manager Water Test Kit contains the following items:

- Octa-Slide Comparator system for Free Chlorine, Total Chlorine, and pH
- Tablet reagents for 50 tests each of Free Chlorine, Total Chlorine, and pH
- Tablet reagents for 20 tests each of Alkalinity, Hardness, and Cyanuric Acid
- Water Quality Handbook
- Saturation Index Calculator
- Diagrammed Instructions
- Blow-molded carrying case
- Test tubes and water sample bottle



Image: Overview of the LaMotte 3366 Pool Manager Water Test Kit components, including the carrying case, test tubes, reagent tablets, and comparator slides.

SETUP

Before beginning any water testing, ensure all components are present and in good condition. Familiarize yourself with the diagrammed instructions provided within the kit lid.

1. Open the blow-molded carrying case and verify all reagents and testing apparatus are securely stored.
2. Review the "Jump Start" instructions located on the inside of the case lid for a quick overview of testing procedures.
3. Ensure test tubes and the water sample bottle are clean and free from contaminants. Rinse with distilled water if necessary.

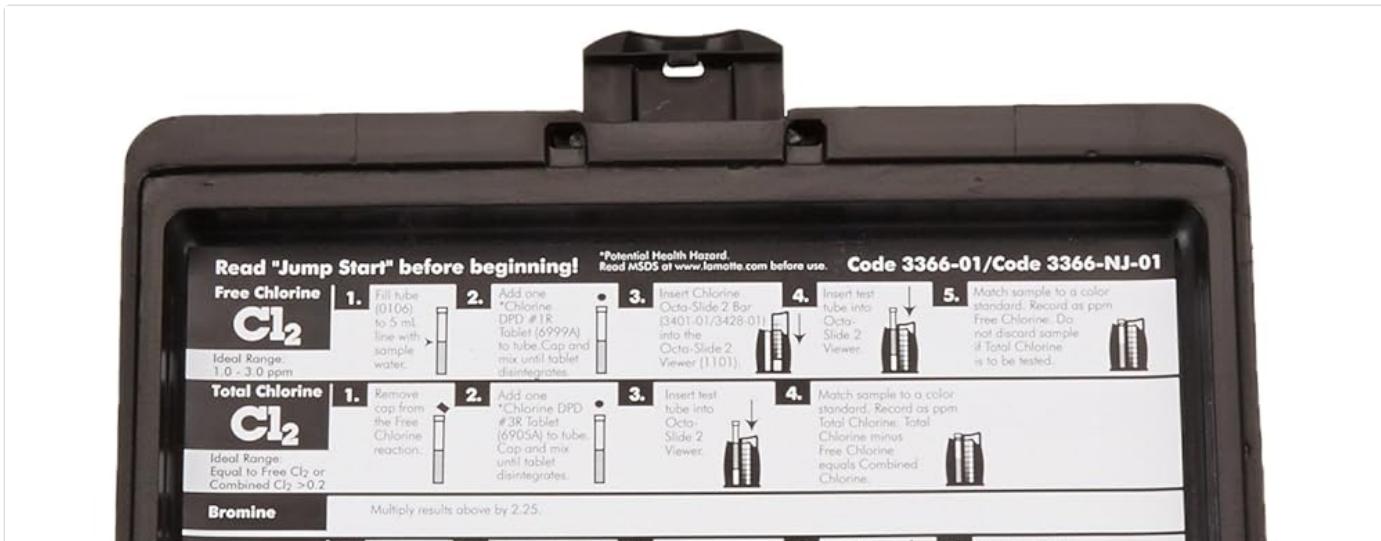




Image: The LaMotte 3366 Pool Manager Water Test Kit opened, showing the internal layout of components and the quick-start instructions printed on the lid.

OPERATING INSTRUCTIONS

Follow these steps for accurate water testing using the LaMotte 3366 kit. Always refer to the detailed instructions for each specific test provided within your kit.

Free Chlorine and Total Chlorine Test (DPD Method)

1. Fill a clean test tube to the 10 mL mark with the water sample.
2. Add one DPD #1 tablet for Free Chlorine. Cap and shake until dissolved.

3. Insert the test tube into the Octa-Slide Comparator. Match the color to determine Free Chlorine residual. Record the result.
4. For Total Chlorine, add one DPD #3 tablet to the same sample. Cap and shake until dissolved.
5. Re-insert into the comparator and match the color to determine Total Chlorine residual. Record the result.

pH Test (Phenol Red Method)

1. Fill a clean test tube to the 10 mL mark with the water sample.
2. Add one Phenol Red tablet. Cap and shake until dissolved.
3. Insert the test tube into the Octa-Slide Comparator. Match the color to determine the pH value. Record the result.

Total Alkalinity Test

1. Fill a clean test tube to the 20 mL mark with the water sample.
2. Add one Alkalinity tablet. Cap and shake until dissolved.
3. Add one drop at a time of the Acid Demand Reagent (if provided, or follow specific tablet instructions), counting drops, until the color changes from blue to yellow.
4. Multiply the number of drops by 10 to get the Total Alkalinity in ppm. Record the result.

Calcium Hardness Test

1. Fill a clean test tube to the 20 mL mark with the water sample.
2. Add one Hardness tablet. Cap and shake until dissolved.
3. Add one drop at a time of the Hardness Titrant (if provided, or follow specific tablet instructions), counting drops, until the color changes from red to blue.
4. Multiply the number of drops by 10 to get the Calcium Hardness in ppm. Record the result.

Cyanuric Acid Test

1. Fill a clean test tube to the 10 mL mark with the water sample.
2. Add one Cyanuric Acid tablet. Cap and shake until dissolved.
3. Allow the sample to stand for 2 minutes for full color development.
4. Insert the test tube into the comparator and match the turbidity to determine the Cyanuric Acid level. Record the result.

MAINTENANCE

Proper maintenance ensures the longevity and accuracy of your LaMotte test kit.

- **Cleaning:** After each use, thoroughly rinse all test tubes, comparators, and the water sample bottle with distilled or deionized water. Allow them to air dry completely before storing.
- **Storage:** Store the kit in its blow-molded carrying case in a cool, dry place away from direct sunlight and extreme temperatures. Ensure all reagent bottles are tightly capped.
- **Reagent Shelf Life:** Reagents have a limited shelf life. Check expiration dates on reagent packaging and replace expired tablets promptly to ensure accurate results.
- **Comparator Care:** Handle the Octa-Slide Comparator with care. Avoid scratching the color standards. Clean with a soft, damp cloth if necessary.

TROUBLESHOOTING

This section addresses common issues encountered during water testing.

Problem	Possible Cause	Solution
Inaccurate or inconsistent results	Expired reagents, contaminated glassware, improper sample collection, incorrect procedure.	Check reagent expiration dates. Thoroughly clean all glassware. Collect fresh sample away from skimmers/returns. Review operating instructions carefully.
Tablets not dissolving completely	Insufficient shaking, old tablets, water temperature too low.	Shake vigorously for the recommended time. Ensure tablets are not expired. Test water at room temperature if possible.
Difficulty matching color on comparator	Poor lighting, color blindness, sample turbidity.	Perform tests in good, natural light. Ensure sample is clear. Consult with another operator if needed.

SPECIFICATIONS

Key specifications for the LaMotte 3366 Model PM-41 Pool Manager Water Test Kit:

- **Model Number:** 3366
- **Brand:** LaMotte
- **Test Parameters:** Free Chlorine, Total Chlorine, pH, Total Alkalinity, Calcium Hardness, Cyanuric Acid
- **Reagent Capacity:** 50 tests for Free Chlorine, Total Chlorine, pH; 20 tests for Alkalinity, Hardness, Cyanuric Acid
- **Comparator Type:** Octa-Slide Comparator
- **Case Type:** Blow-molded carrying case
- **Package Dimensions:** Approximately 10 x 8.39 x 3.03 inches
- **Item Weight:** Approximately 0.01 ounces (Note: This weight from source may refer to a single component or be a placeholder. Actual kit weight will be higher.)

WARRANTY AND SUPPORT

For information regarding product warranty, technical support, or to order replacement reagents and parts, please contact LaMotte Customer Service directly.

Manufacturer: LaMotte Company

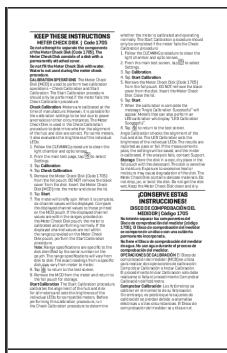
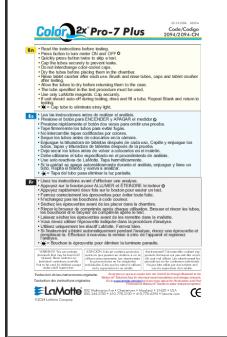
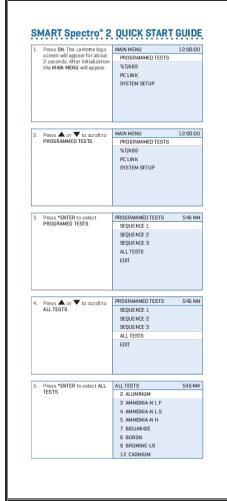
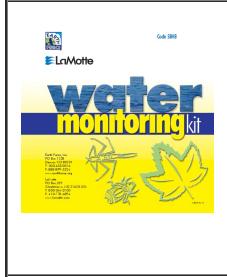
Please refer to the official LaMotte website or the documentation included with your purchase for the most current contact information and warranty details. Keep your purchase receipt as proof of purchase for warranty claims.



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This manual is for informational purposes only. LaMotte Company is not responsible for any damages or injuries resulting from improper use of this product.

Related Documents - 3366

	<p>LaMotte Meter Check Disk Code 1705 User Manual and Calibration Guide</p> <p>Comprehensive instructions for using the LaMotte Meter Check Disk (Code 1705) to perform meter calibration, including detailed steps for Check Calibration and Start Calibration procedures, along with essential storage guidelines.</p>
	<p>LaMotte ColorQ 2x Pro-7 Plus Water Testing Kit: User Manual and Instructions</p> <p>Comprehensive user manual for the LaMotte ColorQ 2x Pro-7 Plus water testing kit, providing step-by-step instructions for testing Free Chlorine, Total Chlorine, pH, Alkalinity, Calcium Hardness, Cyanuric Acid, Copper, Iron, Biguanide, and Biguanide Shock.</p>
	<p>SMART Spectro 2 Quick Start Guide</p> <p>A quick start guide for operating the LaMotte SMART Spectro 2, detailing steps for powering on, navigating menus, selecting tests, scanning blanks and samples, and storing results.</p>
	<p>LaMotte DC1500 Chlorine DPD Tablet Quick Guide</p> <p>A concise guide for using the LaMotte DC1500 Chlorine meter with DPD tablets for testing free and combined chlorine levels. Includes calibration procedures and important safety information.</p>
	<p>The GREEN Standard Water Monitoring Kit: Investigate Watershed Health</p> <p>Learn about water quality monitoring with the GREEN Standard Water Monitoring Kit from LaMotte and Earth Force. This educational kit guides students through scientific investigations to understand and improve local watershed environments.</p>
	<p>LaMotte ColorQ 2x High Range Chlorine Colorimeter Kit Instructions and Procedures</p> <p>Detailed instructions for the LaMotte ColorQ 2x High Range Chlorine Colorimeter Kit (Order Code 2100). Covers Blank calibration and High Range Total Chlorine (HR TCL) testing procedures, safety warnings, and product specifications in English, Spanish, and French.</p>