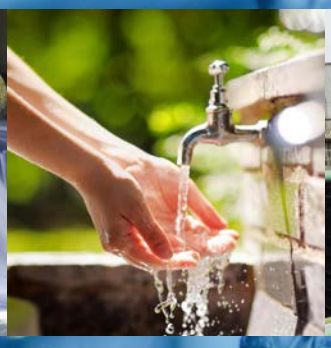
LaMotte®

SOLVING ANALYTICAL CHALLENGES SINCE 1919

WATER QUALITY

Testing Products




Welcome to our General Products Catalog!

For over 100 years, LaMotte has been an innovating leader in water quality analysis. The result of this innovation is a broad range of world-class products suitable to test water in a multitude of applications.

Our products combine the highest performance standards, while being easy to use, making LaMotte the right choice for professionals and hobbyists, alike. Whether you are looking for tablet or liquid reagents or electronic meter systems that link data into software, we have the right solution for you.

LaMotte has seen fantastic growth over the last several years. To continue this growth, we have invested heavily in new equipment; expanded our existing plant in Chestertown, MD; and in late 2022, opened an additional manufacturing facility in Newark, DE. All these investments are aimed at meeting our customers increasing demands for our products on time.

We take technical support and customer service very seriously—it's what sets us apart. If you ever have questions about our products or have a unique water analysis problem, make sure to reach out to us, that's why we're here. I encourage you to call our Customer Care staff for guidance on product selection or Technical Support for assistance with any questions regarding purchased LaMotte products.

Please know that when you buy water analysis products from us, you purchase solutions to your challenges, not simply hardware.

Scott Amsbaugh
President & CEO LaMotte Company







Table of Contents

	GLOBAL CAPABILITIES	4
	INTERNATIONAL SALES	5
	TEST METHODS	
	Colorimetric	6
	Electronic	7
	Titrimetric	7
	INSTRUMENTATION	
	WaterLink Spin Touch DW	8-9
	WaterLink Spin Touch FX	10-11
	SMART3 Colorimeter	12-13
	SMART3 Colorimeter Instrument Reagent Listing	14-15
	2020t & i Portable Turbidity Meters	16-17
	DC1500 Single Test Colorimeter Labs	18-19
	Liquid and Tablet Reagents	20
	COD Reagents, N&P Digestion Tubes, COD Heater Block	21
	TRACER PockeTesters: Total Chlorine; pH; ORP	22-23
	PockeTesters: pH; Salt; TDS/Salt/Conductivity; Fluoride; pH/TDS/Salt/Conductivity; Dissolved Oxygen	24-25
	ColorQ 2x High Range Chlorine Test Kit	26
	ColorQ 2x Low Range Chlorine Test Kit	27
	pH Buffers; Conductivity/TDS Solutions; Electrode Soaker	28
	INSTA-TEST® TEST STRIPS	29-31
	MICROBIOLOGICAL TESTING	32-33
	INDIVIDUAL TEST KITS	
	Acidity to Zinc Test Kit Listing	34-48
	COMBINATION OUTFITS	
	Food Sanitizer Kits; Laundry Combination Kits	49-50
	General Water Analysis Laboratory	51
	Industrial Water Titration Reagents	52
	Municipal & Industrial Water & Wastewater Analysis Kits	53
	Water Conditioning Sales Demonstration Outfits	54-55
	REAGENT REFILLS	56-62
	PRIMARY STANDARDS	63
	INDEX	
	Acidity to Zinc	64-66
	ORDER FORM	BACK COVER

Shipping Codes & Weights

Shipping codes and weights for shipping are included through this catalog for your convenience. The shipping code will refer to one of the following in chart below. Weights will be in pounds and enclosed in [ ].

Shipping Code	Description
NH	Non Hazardous, No Fees
HF	Hazardous Materials, Air & Ground Fees
R1	Small Quantity Hazardous Materials, No Fees
R2, R3, & LQ	Hazardous Materials, Air Fees Only

LaMotte Company

Solving Analytical Challenges Since 1919





LaMotte Company has two manufacturing plants—our 85,000 square foot facility in Chestertown, Maryland, and our 79,000 square foot facility in Newark, Delaware. Both plants are specifically designed to include the latest in world-class manufacturing technologies and techniques with room for future growth.

Utilizing Lean Manufacturing, LaMotte's chemists, engineers, and technicians optimize a wide variety of processes to achieve maximum quality and efficiency.

We offer a wide range of test methods and tools for the analyst, from multi-factor test strips, foil-packaged unit dose tablets, powders, liquid reagents, and multi-parameter test disks.

We believe strongly in having a team of technical experts available by phone and email for customer support. The Research and Development team works to constantly improve and create new test methods. Our in-house graphic design department provides extensive services that are especially valuable for the many private label products that LaMotte welcomes.

All of these varied capabilities enable LaMotte to excel at helping people solve their analytical challenges.

LaMotte Company also offers market-specific catalogs of water testing products for Aquaculture and Fish Farming, Environmental Science Education, Pool and Spa, Soil, Food and Beverage Safety, and Brewing applications.

International Sales

Worldwide Distributor Network

The LaMotte brand is global. We sell to over 10,000 customers worldwide in 48 different countries on every continent in the world. We take pride in working closely with each and every one of our distributors from China and Australia to Mexico, Turkey and beyond. Individually and collectively, they are an integral part to the success of our global LaMotte team.

The LaMotte commitment to our customers remains resolute and we firmly believe that the emphasis we place on Technical Support and Customer Service helps to distinguish LaMotte. We continually develop quality lines of products that respond to your needs while at the same time striving to ensure excellent service to our customers around the globe. We look forward to working with you and serving you.

Available online at www.lamotte.com:

- Detailed Product Listing
- Printable Test Instructions
- Printable SDS's
- Printable Reagents Certificates of Analysis

For pricing and to order from the distributor nearest you, visit www.lamotte.com and select "INTERNATIONAL" and complete the Contact Form and the LaMotte distributor for your region will contact you. For more information email us at intl@lamotte.com.

Key Industries

- Pool & Spa
- Water Conditioning
- Environmental Education
- Industrial Water Boiling and Cooling
- Water and Wastewater
- Food and Beverage Laundry and Sanitation
- Aquarium and Fish Farming
- Soil





Colorimetric Testing

Colorimetric

There are two basic types of colorimetric tests:

1. Tests which determine the concentration of a substance are based on Beer's Law. Simply stated, this says that the higher the concentration of a substance, the darker the color developed in the test, so more light is absorbed by the sample.
2. pH tests use an indicator which changes color with changes in the concentration of hydrogen ions, or the acidity of the solution.

Octa-Slide 2 Comparator

The Octa-Slide 2 replaces the Octet and Octa-Slide comparators. All 8 color standards can be viewed at once against a precision matched color bar top-loaded next to the sample tube. This comparator system can be used with existing reagent system but is not compatible with color bars from the original Octa-Slide.



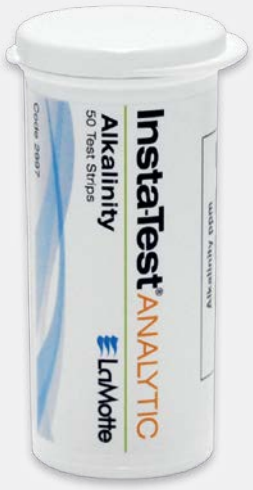
LRC Comparator

This innovative design replaces the Axial Reader with a simpler and significantly improved optical system. Simply place one reacted sample in the front and one un-reacted sample behind it and let the light shine down into both tubes. Precision matched glass ampoules are in the slide bar so even the most sensitive low range colors can be matched one-on-one with extraordinary ease and confidence.



Test Strips

Test strips are either dipped or swirled in test solutions. The resulting color reaction is compared to a color chart provided.



Color Chart Comparator

Color charts are laminated color standards. The reacted sample is held against the panel and compared to the color standards.



Electronic Methods

Electronic colorimeters measure the amount of light which travels through the reacted sample, and convert the measurement to a reading as ppm, absorbance or %T. In addition to colorimeters, LaMotte offers instruments to test pH, TDS/conductivity, dissolved oxygen, and turbidity.



Titrimetric

Titrimetric tests can be used to determine the concentration of a substance in a sample solution. After the sample is treated with an indicator, a standard titrant is added until a color change indicates a completed reaction. LaMotte offers three separate types of titration methods, allowing a choice of precision and convenience.

Direct Reading Titrator

The Direct Reading Titrator is a 1.0 mL microburet calibrated to allow direct reading of the test result. Each Titrator has a specific range, but may be refilled to test higher concentrations.



Dropper Pipet

The drop count test uses a pipet to provide fast, reliable measurements in the field. The number of drops used to obtain a color change is multiplied by a given factor to produce the test result.



Dropper Bottle

The dropper bottle test uses bottle tips which deliver a consistent standard drop size to add titrant to the sample. As with the drop count test, the number of drops used to complete the reaction is multiplied by a given equivalence factor to determine the concentration. Many dropper bottle tests use different sample sizes for different equivalences.



WaterLink® Spin Touch® DW

For Water Conditioning and Filtration Applications



WaterLink® Spin Touch® DW

Order Code 3585 · Shipping Code NH (11)

The innovative WaterLink® Spin Touch® DW photometer does all your drinking water testing for you. Each sealed reagent disk contains the precise amount of reagent needed to run a complete series of tests. Just fill one unique Spin reagent disk with less than 3 mL of water and all your vital tests are done automatically—in just 60 seconds!

It's the most advanced system for rapid wet chemistry analyses ever. Now anyone can achieve precision without time consuming test and clean-up procedures. This ground-breaking analysis system means no vials to fill, no prep time, no guessing!



WaterLink® Spin Touch® DW

For Water Conditioning and Filtration Applications

Reliable Results

- Virtually eliminates User-Error
- Pre-Measured Reagents
- Exact Reaction Times and Auto-Blanking
- Meter Calibration Check System
- New 6-Wavelength Photometer

Super Fast & Simple

- Fill Disk and Insert > Select "Start Test" > Read Results
- Results in 60 seconds

Auto-Record Keeping

- Stores Test Dates, Times, Results

Stand-Alone

- No Computer, Smartphone, or Tablet Needed
- Touchscreen Operation
- Communicate through Bluetooth® or USB

Rugged and Portable

- Innovative Water-Resistant Housing
- Internal, Rechargeable Batteries

Complete Lab Includes

Photometer, Instruction Manual, Quick-Start Guide, 3 Syringes, Meter Check Disk, Disk Cover, Sample Bottle, USB Cord with USB Wall Adapter, Carrying Case (Disks sold separately).

Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

So Simple! So Fast! So Precise!



Fill the disk — *Insert the disk* — *Tap "Start Test"* — *Results in 60 seconds*

Instrument Specifications:	
Instrument Type:	Centrifugal Fluidics Photometer
6 Wavelengths:	390 nm, 428 nm, 470 nm, 525 nm, 568 nm, 635 nm
Display:	Color Capacitive Touchscreen, 3.5", 320 X 240 pixel resolution
Languages:	English, French, Spanish, German, Italian, Portuguese, Dutch, Swedish, Turkish, Chinese
Batteries:	Lithium Ion, Rechargeable (Full Charge in 10-12 hours), 150 tests per charge
Communication:	Bluetooth, USB-C
Calibration:	Factory Set, Field Calibration via Internet Connection
Date Storage:	Last 250 Test Results with Date, Time, Location
Water Resistance:	Rubber Co-molded Base, Rubber USB Port Plug, Gasketed Display & Hinge
Size & Weight:	8.5 L x 4.9 W x 4.1 H in; 1.74 lb; 22.6 L x 12.7 W x 11.4 H cm; 0.79 kg
Operation:	Single On/Off/Reset Button with Indicator Light, Touchscreen
Firmware	Internet updateable (New Test, New Test Calibrations, etc.), requires a USB connection to a Windows® PC
Printer	Optional Bluetooth® Printer (Code 5-0067); 384 dots per line at 8 dots/mm resolution
Certification	CE

SpinDisk®

DW SpinDisk® Reagent Cartridges

Disks come individually packaged in foil pouches in boxed packs of 50.

Disk Patent No. 8,734,734;
FCI Patent No. 8,987,000;
TCI Patent No. 8,993,337;
FCI EU Patent No. EP2784503 A1

Treated Water Series DW13

Order Code 4336-H ·
Shipping Code NH (3)

Test Parameter	Range
Free Chlorine	0-15 ppm
Total Chlorine	0-15 ppm
Combined Chlorine	0-15 ppm
pH	6.4-10.0 pH
Total Hardness	0-70 gpg; 0-1200 ppm
Total Iron	0-6 ppm
Copper	0-6 ppm
Total Alkalinity	0-250 ppm

Well Water Series DW21

Order Code 4337-H·
Shipping Code NH (3)

Test Parameter	Range
pH	4.5-8.6 pH
Total Hardness	0-70 gpg; 0-1,200 ppm
Total Iron	0-6 ppm
Ferric Iron	0-6 ppm
Ferrous Iron	0-6 ppm
Copper	0-6 ppm
Nitrate (NO_3)	0-45 ppm
Nitrite (NO_2)	0-2 ppm
Total Alkalinity	0-250 ppm

WaterLink® Spin Touch® FX

For Fish Farming Applications



WaterLink® Spin Touch® FF

Order Code 3589 (for sale in North America) · Shipping Code NH (11)

The innovative WaterLink® Spin Touch® FX photometer does all your water testing for you. Each reagent disk contains the precise amount of reagent needed to run a complete series of tests. Just fill one unique Spin reagent disk with sample water and all your vital tests are done automatically—in just 2 minutes!



It's the fastest system for wet chemistry methods ever produced. Now analysts can obtain test results without time consuming test and clean-up procedures. This ground-breaking analysis system is so simple anyone can use it! No vials to fill, no prep time, no guessing!

Complete Lab Includes

Photometer, Instruction Manual, Quick-Start Instructions, 3 Syringes, Meter Check Disk, Disk Cover, Sample Bottle, USB Cable with AC Adapter, Carrying Case. (Disks sold separately).

WaterLink® Spin Touch® FX

For Fish Farming Applications

Fast Results

- Minimizes User-Error
- Pre-Measured Reagents
- Exact Reaction Time and Auto-Blanking
- Meter Calibration Check System
- 6-Wavelength Photometer

Super Fast & Simple

- 2 Minutes for up to 8 Complete Tests Using One Disk
- Fill Disk and Insert > Tap "Start Test" > Read Results

Data Logging

- Stores Test Dates, Times, Results, and Location
- Download via USB to PC

Stand-Alone or Cloud-Connection

- Touchscreen Operation
- Connect to WaterLink Solutions via Bluetooth®

Rugged and Portable

- Innovative Water-Resistant Housing
- Internal, Rechargeable Batteries

Instrument Specifications:	
Instrument Type:	Photometer
6 Wavelengths:	390 nm, 428 nm, 470 nm, 525 nm, 568 nm, 635 nm
Display:	Color Capacitive Touchscreen, 3.5", 320 X 240 pixel resolution
Languages:	English, French, Spanish, German, Italian, Portuguese, Dutch, Swedish, Turkish, Chinese
Batteries:	Lithium Ion, Rechargeable (Full Charge in 10-12 hours), 150 tests per charge
Communication:	Bluetooth, USB-C
Calibration:	Factory Set, Field Calibration via Internet Connection
Date Storage:	Last 250 Test Results with Date, Time, Location
Water Resistance:	Rubber Co-molded Base, Rubber USB Port Plug, Gasketed Display & Hinge
Size & Weight:	8.5 L x 4.9 W x 4.1 H in; 1.74 lb; 22.6 L x 12.7 W x 11.4 H cm; 0.79 kg
Operation:	Single On/Off/Reset Button with Indicator Light, Touchscreen
Firmware:	Internet updateable (New Test, New Test Calibrations, etc.), requires a USB connection to a Windows® PC
Printer:	Optional Bluetooth® Printer (Code 5-0067); 384 dots per line at 8 dots/mm resolution
Certification:	CE

Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

SpinDisk®

FX SpinDisk® Reagent Cartridges

Disks come individually packaged in foil pouches in boxed packs of 50.

FX Fresh Water Reagent Disks

Order Code 4353-H · Shipping Code NH (3) · Box of 50 · Available for sale in North America only.

FX Salt Water Reagent Disks

Order Code 4354-H · Shipping Code NH (3) · Box of 50 · Available for sale in North America only.

Brackish Tablet Package

Order Code 3865-PKG

For testing brackish water samples use the Brackish Tablet Package with the Saltwater FX203 SpinDisk.

* Brackish samples will not report Magnesium

FX Fresh Water Reagent Disks

Test Factor	Display Abbreviation	Range	Accuracy	Method Detection Limit
Alkalinity	ALK/D ALK	0 – 250 ppm/14.0 dKH	± 15%	15 ppm/0.8 dKH
Ammonia	AMMO	0.0 – 3.0 ppm	< 2.0 ppm: ± 0.2 ppm > 2.0 ppm: ± 0.4 ppm	0.2 ppm
Hardness	G HARD/ D HARD	0 – 500 ppm/ 28.0 dGH	± 15%	20 ppm/1.1 dGH
Nitrate	NITRATE	0 – 300 ppm	± 30%	5 ppm
Nitrite	NITRITE	0.0 – 2.0 ppm	± 0.2 ppm	0.1 ppm
pH	pH	4.5 – 10.0	± 0.2	NA
Phosphate	PHOS	0.0 - 2.0 ppm	± 0.2 ppm	0.2 ppm

FF Salt Water Reagent Disks

Test Factor	Display Abbreviation	Range	Accuracy	Method Detection Limit
Alkalinity	ALK/ALK D	0 – 300 ppm/17.0 dKH	± 15%	15 ppm/0.8 dKH
Ammonia	AMMO	0.0 – 3.0 ppm	< 1.0 ppm: ± 0.2 ppm > 1.0 ppm: ± 0.4 ppm	0.2 ppm
Calcium	Ca	200 - 800 ppm	± 15%	NA
Magnesium*	Mg	500 – 2200 ppm	± 15%	NA
Nitrate	NITRATE	0 – 60 ppm	± 25%	5 ppm
Nitrite	NITRITE	0.0 – 2.0 ppm	± 0.2 ppm	0.1 ppm
pH	pH	6.5 – 10.0	± 0.2	NA
Phosphate	PHOS	0.0 – 2.0 ppm	± 0.2 ppm	0.2 ppm

Disk Patent No. 8,734,734; FCI Patent No. 8,987,000; TCI Patent No. 8,993,337; FCI EU Patent No. EP2784503 A1

SMART3 Colorimeter

On-Site Water Analyses



SMART3 Colorimeter

Order Code 1910 · Shipping Code NH (6)

70+ Pre-Programmed Tests! The user-friendly SMART3 Colorimeter is the ideal direct reading colorimeter for complete on-site water analyses.

All pre-programmed tests can be run on these compact instruments and each test features automatic wavelength selection. The entire multi-LED optical system is embedded in the light chamber and optimized for LaMotte test reagent systems. The analyst can simply select the test and put in the sample with reagent. The microprocessor, which selects the wavelength, also allows the user to load up to 25 tests for analyzing custom reagent systems. LaMotte stands behind every system we provide.

These portable colorimeters have the user in mind with these advanced features:

- IP67 Waterproof
- Simple, menu-driven operation
- Alphabetical test selection
- User-selected test sequences
- Self diagnostics with error/warning messages
- Instant readiness without "count down" delays; achieved by active stabilization of lamp intensity
- Auto-blank; Auto-off
- European CE mark

The user may select any of the wavelengths in each meter to determine the absorbance or %T of a sample at the desired wavelength.

Additional advancements include:

- Superior narrow band-width interference filters
- LCD display for improved readability
- USB interface
- Lithium ion rechargeable battery, USB computer adapter is included

As well as the incorporated features:

- All wavelength filters - 428, 525, 568, 635 nm (SMART3 only)
- USB port
- and more...

NOTE: SMART 3 Turbidity is not the same as EPA 180.1 Turbidity

SMART3 Comes with 6 sample tubes, power charger and manual

SMART Colorimeter® is a registered trademark of LaMotte Company.
Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

SMART3 Colorimeter



Instrument Specifications:	
Range:	0-125%T
Resolution:	1% FS
Accuracy:	2% FS
CE Mark:	Yes
Light Source:	LED/Filter setup; 428nm, 525nm, 568nm, 638nm
Detector:	Photodiode
Display:	160x100 Backlight LCD, 20x4 line graphics display
Languages:	English, French, Spanish, Italian, Portuguese, Chinese, Japanese
Sample Cell:	25 mm round cell, 10 mm square cuvette, 16 mm COD tubes
Datalogging:	Up to 500 data points, USB transfer, time and date stamped
Keypad:	6-button mechanical
Calibration:	Factory set - user adjustable
Languages:	English, French, Spanish, Portuguese, Italian, Chinese and Japanese.
Power:	USB computer/power charger or Lithium Ion rechargeable battery, 3.7V, 2.5" x 0.75", 1.7 oz.
Dimensions:	19.05 x 8.84 x 6.35 cm; 7.5 x 3.5 x 2.5 inches
Weight:	15 ounces
Bandwidth:	10 mm typical

Accessories & Replacement Items	
Smartcheck Standards	Code 4148
Replacement Sample Chamber Cup	Code 3-0038
COD Adapter	Code 1724
6 Sample Tubes	Code 0290-6
USB Cable	Code 1720-01
USB Power Plug	Code 1721
Car Charger	Code 5-0132
Small Case	Code 1910-GCS150
Large Case	Code 1910-GCS440

SMART3 Colorimeter Reagent Systems

New tests are being developed for the SMART 3 Colorimeter.
Please contact our Technical Service Department for information regarding additions.

Test Factor	Test Method (# of reagents)	Range ppm*	# of Tests	Order Code	Shipping Code/ Prop 65‡
Alkalinity	Tablet, Colorimetric (1)	10-250	50	3670-SC	NH
Aluminum‡	Eriochrome Cyanine R (4)	0.01-0.30	50	3641-01-SC	NH/R
Ammonia Nitrogen LR‡ (Fresh & Salt Water)	Salicylate (3)	0.05-1.00/ 0.10-1.00	25	3659-02-SC	R2/R
Ammonia Nitrogen HR‡	Nesslerization (2)	0.05-4.00	50	3642-SC	R1/R
Barium‡	Barium Chloride (1)	5-200	50	3638-SC	NH/R
Biquinide	Colorimetric (1)	2-70	50	4044	NH
Boron	Azomethine-H (2)	0.05-0.80	50	4868-01	NH
Bromine	Liquid, DPD (3)	0.00-3.00	144	4859	R1
Bromine	DPD Tablets (3)	0.10-9.00	100	3643-SC	NH
Cadmium‡	PAN (4)	0.02-1.00	50	4017-01	R1/R
Carbohydrazide	Iron Reduction (3)	0.04-0.90	100	4857	R1
Chloride	Tablet, Argentometric (1)	0.4-30.0	50	3693-SC	NH
Chlorine (Free & Total)	DPD Tablets (3)	0.03-4.00	100	3643-SC	NH
Chlorine	Liquid, DPD (3)	0.03-4.00	144	4859	R1
Chlorine Dioxide	DPD tablet/Glycine (2)	0.06-8.00	100	3644-SC	NH
Chromium (Hexavalent)	Diphenylcarbohydrazide (1)	0.01-1.00	100	3645-SC	HA
Chromium (Total, Hex & Trivalent)	Diphenylcarbohydrazide (5)	0.01-1.00	100	3698-SC	HF
Cobalt‡	PAN (3)	0.04-2.00	50	4851-01	HF/R
COD LR with Mercury†	Digestion (1)	5-150 mg/L	25	0075-SC	R1
COD LR without Mercury†	Digestion (1)	5-150 mg/L	25	0072-SC	R1
COD SR with Mercury†	Digestion (1)	50-1,500 mg/L	25	0076-SC	R1
COD SR without Mercury†	Digestion (1)	50-1,500 mg/L	25	0073-SC	R1
COD HR with Mercury†	Digestion (1)	500-15,000 mg/L	25	0077-SC	R1
COD HR without Mercury†‡	Digestion (1)	500-15,000 mg/L	25	0074-SC	R1/R
Color	Platinum Cobalt (0)	20-1,000 Cu	∞	NA	NH
Copper BCA - LR	Bicinchoninic Acid (1)	0.04-3.50	50	3640-SC	NH
Copper	Cuprizone (2)	0.03-2.00	50	4023	R1
Copper DDC‡	Diethyldithiocarbamate (1)	0.10-6.00	100	3646-SC	NH/B
Cyanide	Pyridine-Barbituric Acid (5)	0.03-0.35	50	3660-01-SC	R1
Cyanuric Acid	Melamine (1)	10-200	40	3661-01-SC	NH
Cyanuric Acid	Tablet, Melamine (1)	10-110	50	3673-SC	NH
DEHA	Iron Reduction (3)	0.01-0.70	100	4857	R1
Dissolved Oxygen (DO)	Winkler Colorimetric (3)	0.6-11.0	200	3688-SC	R1
Erythorbic Acid	Iron Reduction (3)	0.02-3.00	100	4857	R1
Fluoride	SPADNS (2)	0.1-2.0	50	3647-02-SC	R1
Hardness, Total	Tablet, Colorimetric (1)	10-400	50	3671-SC	NH
Hydrazine	p-dimethylaminobenzaldehyde (2)	0.01-0.75	50	3656-01-SC	NH
Hydrogen Peroxide LR	DPD (2)	0.02-1.50	100	3662-SC	NH
Hydrogen Peroxide HR	DPD (2)	1-60	100	4045-01	NH

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* Range as ppm except as otherwise indicated

† Requires COD Heater Block - Order Code 5-0102 (Sold Separately; See Page 21) & COD Adapter - Order Code 1724 (Sold Separately)

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

SMART3 Colorimeter Reagent Systems

New tests are being developed for the SMART 3 Colorimeter.
Please contact our Technical Service Department for information regarding additions.

Test Factor	Test Method (# of reagents)	Range ppm*	# of Tests	Order Code	Shipping Code/ Prop 65‡
Hydrogen Peroxide Shock	DPD (2)	10-225	100	4045-01	R2
Hydroquinone	Iron Reduction (3)	0.01-2.00	100	4857	R1
Iodine	DPD Tablets (2)	0.2-14.0	100	3643-SC	NH
Iron	Bipyridyl (2)	0.10-6.00	50	3648-SC	R1
Iron, Total, Ferrous, Ferric	1,10 Phenanthroline (2)	0.1-5.0	50	3668-SC	R1
Lead‡	PAR (5)	0.1-5.0	50	4031-01	R1/C
Manganese LR‡	PAN (3)	0.01-0.70	50	3658-01-SC	HF/R
Manganese HR	Periodate (2)	0.3-15.0	50	3669-SC	R1
Methylethylketoxime	Iron Reduction (3)	0.01-3.00	100	4857	R1
Molybdenum HR	Thioglycolate (3)	0.6-50.0	50	3699-03-SC	R1
Nickel‡	Dimethylglyoxime (6)	0.15-8.00	50	3663-01-SC	HF/R
Nitrate Nitrogen LR‡	Cadmium Reduction (2)	0.10-3.00	20	3649-01-SC	R1/B
Nitrate	Tablet, Zinc Reduction (1)	5-60	50	3689-SC	NH
Nitrite Nitrogen LR	Diazotization (2)	0.02-0.80	20	3650-SC	NH
Oxygen Scavengers	Iron Reduction	various	100	4857	R1
Ozone	DPD (4)	0.03-3.00	100	4881-01	NH
Ozone LR	Indigo Trisulfonate (3)	0.01-0.40	100	3651-SC	NH
Ozone HR	Indigo Trisulfonate (3)	0.05-2.50	20	3651-SC	NH
pH CPR	Chlorophenyl Red (1)	pH 5.0-6.8	100	3700-01-SC	NH
pH PR	Liquid, Phenol Red (1)	pH 6.6-8.4	100	3700-01-SC	NH
pH TB	Thymol Blue (1)	pH 8.0-9.5	100	3700-01-SC	NH
pH	Tablet, Phenol Red (1)	pH 6.6-8.4	50	3672-SC	NH
Phenol	Aminoantipyrine (3)	0.05-6.00	50	3652-01-SC	NH
Phosphate LR‡	Ascorbic Acid Reduction (2)	0.05-3.00	50	3653-SC	R2/C
Phosphate HR	Vanodomolybdovanadate Acid (1)	1-70	50	3655-SC	R1
Phosphorus, ppb†‡	Ascorbic Acid/Digestion (5)	50-3000	50	3653-SC	R2/C
Phosphorus, Total - LR†	Ascorbic Acid/Digestion (5)	0.50-3.50 mg/L	25	4024-01	R1
Phosphorus, Total - HR†	Molybdovanadate/ Digestion (5)	5-100mg/L	25	4025-01	R1
Potassium	Tetraphenylboron (2)	0.8-10.0	100	3639-SC	R1
Silica LR	Heteropoly Blue (4)	0.05-4.00	100	3664-SC	R1
Silica HR	Silicomolybdate (3)	1-75	50	3687-SC	R1
Sulfate HR	Barium Chloride (1)	3-100	100	3665-SC	R1
Sulfide LR	Methylene Blue (3)	0.06-1.50	50	3654-02-SC	R1
Surfactants‡	Bromthymol Blue (3)	0.5-8.0	100	4876-01	HF/B
Tannin	Tungsto-Molybdophosphoric Acid (2)	0.1-10.0	50	3666-01-SC	R1
Turbidity	Absorptimetric (0)	3-400 FTU	◦	NA	NH
Zinc LR‡	Zincon (6)	0.05-3.00	50	3667-01-SC	HF/B

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* Range as ppm except as otherwise indicated

† Requires COD Heater Block - Order Code 5-0102 (Sold Separately; See Page 21) & COD Adapter - Order Code 1724 (Sold Separately)

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

2020t & 2020i Portable Turbidity Meters

Ratiometric Design



IP67 WATERPROOF

EPA 180.1

ISO 7027

2 YEAR WARRANTY

CE

2020t & 2020i Portable Turbidity Meters

2020t Kit: Portable turbidity meter complies with EPA 180.1, Rev. 2.0 (1993) and Standard Methods 2130 B-2001
Order Code 1974-T · Shipping Code NH (6)

2020i Kit: Portable turbidity meter complies with ISO 7027 Standard
Order Code 1974-I · Shipping Code NH (6)

New RATIOMETRIC design in one of the most innovative, WATERPROOF, handheld meters available on the market!

The multi-detector optical configuration assures long-term stability and minimizes stray light and color interference. The new ratiometric design allows for easy and accurate testing. The nephelometric mode measures 0-50 NTU/FNU, ratiometric mode 0-1000 NTRU/FNRU and 0-2000 AU/FAU. Now pinpoint the range of interest with better, more reliable results. Ideally suited for low-level drinking water applications, mid-range industrial applications, and high-range environmental applications.

These portable turbidimeters have the user in mind with these features:

- Eight user selected languages – English, Spanish, French, Japanese, Chinese, Italian, Portuguese, and Turkish
- Advanced calibration algorithms
- Easy menu driven operation and large LCD display
- 500 point data log; stored results can be viewed directly on instrument

Additional advancements include:

- Waterproof to IP67
- Lithium rechargeable batteries
- USB port
- 8 languages
- Backlit display
- EPA and ISO versions

2020t version meets US EPA design criteria as specified by EPA 180.1, Rev. 2.0 (1993) and Standard Methods 2130 B-2001.

2020i version meets design criteria for quantitative methods of turbidity using optical turbidimeters as specified by ISO 7027. Best for colored or extremely turbid samples.

2020t Kits are supplied with 0, 1, and 10 NTU standards, sample bottle, four sample tubes, USB cable and wall adapter, while 2020i Kits are supplied with 0, 10, and 100 FNU standards, sample bottle, four sample tubes, USB cable and wall adapter.

2020t & 2020i Portable Turbidity Meters

Ratiometric Design

Instrument Specifications:			
Mode	Ratiometric	Nephelometric	Attenuation
Unit of Measure 2020t	NTRU, NTU, ASBC, EBC	NTU, ASBC, EBC	AU, NTU, ASBC, EBC
Unit of Measure 2020i	FNRU, NTU, ASBC, EBC	FNU, NTU, ASBC, EBC	FAU, NTU, ASBC, EBC
Range	0–1,000 NTRU/FNRU; 0–17,500 ASBC; 0–250 EBC	0–50 NTU/FNU; 0–875 ASBC; 0–12 EBC	0–2,000 AU/FAU; 0–70,000 ASBC; 0–1,000 EBC
Resolution	0–10.99 NTRU/FNRU: 0.01; 11.0–109.9 NTRU/FNRU: 0.1; 110–1000 NTRU/FNRU: 1	0–10.99 NTU/FNU: 0.01; 11.0–50.0 NTU/FNU: 0.1	0–2000 AU/FAU: 1
Accuracy	0–2.5 NTRU/FNRU: ±0.05; 2.5–100 NTRU/FNRU: ±2%; 100–1000 NTRU/FNRU: ±3%	0–2.5 NTU/FNU: ±0.05; 2.5–50 NTU/FNU: ±2%	0–2000 AU/FAU; ±10 AU/FAU or 6%, whichever is greater
Detection Limit	0.05 NTRU/FNRU	0.05 NTU/FNU	10 AU/FAU
Reproducibility	0.02 NTRU/FNRU or 1%	0.02 NTU/FNU or 1%	1%
Range Selection	Automatic		
Light Source	2020t: Tungsten lamp 2300 °K ±50 °K; 2020i: IR LED 860 nm ±10 nm, spectral bandwidth with 50 nm		
Detector	2020t: Photodiode, centered at 90° and 180°, maximum peak 400-600 nm; 2020i: Photodiode, centered at 90° and 180°		

Instrument Features:	
Signal Averaging	Disabled, 2, 5, 10
Power	USB computer cable, wall adapter or Lithium ion rechargeable battery, 3.7V, 2.5" x .75", 1.7 oz
Data Logging	500 points
Auto Shut-Off	Disabled, 5, 10, 30 seconds
Languages	English, Spanish, French, Japanese, Chinese, Italian, Portuguese, Turkish
Response Time	<2 Seconds
Size	7.5 x 3.5 x 2.5 inches; 19.05 x 8.84 x 6.35 cm
Weight	13 ounces
Display	6-line LCD with backlit display

Accessories & Replacement Items:

0 NTU Standard (EPA and ISO), 60 mL (Order Code 1480)

1 NTU Standard (EPA), 60 mL (Order Code 1441)

1 FNU Standard (ISO), 60 mL (Order Code 1446)

10 NTU Standard (EPA), 60 mL (Order Code 1442)

10 FNU Standard (ISO), 60 mL (Order Code 1447)

100 NTU Standard (EPA), 60 mL (Order Code 1443)

100 FNU Standard (ISO), 60 mL (Order Code 1444)

USB Cable (Order Code 1720-01)

Wall Adapter (Order Code 1721)

Six-pack of vials (Order Code 0260-6)

Car Charger (Order Code 5-0132)



Model DC1500

Single Test Colorimeter Labs



DC1500 Single Test Colorimeter Labs

See Individual Single Test Colorimeters Labs Table for Order and Shipping Codes

The 1500 Series of single test, direct reading colorimeters incorporates design advances that enhance reliability, improve accuracy, and simplify the calibration process, all in a portable, hand-held package.

Features Include

- Field & Lab Use: USB cable and wall adapter included; car charger optional
- Rechargeable lithium ion battery: No need to buy batteries again
- EPA Compliant: Uses proper wavelength and DPD test method to meet EPA design specifications for NPDWR and NPDES chlorine monitoring programs (EPA 330.5 and Standard Method 4500)
- 0-4 ppm Chlorine: No need to select a low or high range. The DC1500 covers the entire critical chlorine range of 0-4 ppm with an MDL of 0.03 ppm.
- A Great Value: Complete, economical package! The DC1500 Chlorine Colorimeter Kit includes tablets for 100 tests or liquid reagents for 140 tests, six sample vials, and a sturdy carrying case.
- IP67 Waterproof Design: Designed with excessive exposure to moisture in mind, the DC1500 colorimeter delivers trouble-free performance
- Bold, backlit display
- European CE Mark
- USB port

Additional advancements include:

- Superior narrow band-width interference filters
- Simple, menu-driven operation
- Auto-off

Instrument Features:	
Instrument Type:	Single wavelength, direct-reading colorimeter
Digital Display:	160 x 100 backlit LCD, 20 x 6 line graphical
Wavelength Accuracy:	±2% FS
Wavelength Bandwidth:	10 nm typical
Light Sources:	LED
Detector:	Silicon photodiode with integrated interference filter
Modes:	Pre-programmed test, absorbance, %T
Languages:	English, Spanish, French, Japanese, Chinese, Italian, Portuguese, Turkish
Sample Chamber:	Accepts 25mm diameter flat-bottom, screwcap tubes (6 included)
Interface:	Mini USB port
Power:	Lithium ion rechargeable battery, 3.7v, 2.5 x .75
Battery:	Charge Life: Approx. 380 tests with backlight
Battery Life:	Approx. 500 charges
Auto Shut-off:	Disabled, 5, 10, 50 minutes
Size (LxWxH):	17 x 16 x 9 cm; 6.9 x 3.25 x 2.5 inches

Model DC1500
Single Test Colorimeter Labs

Available Single Test Colorimeter Labs

Labs by Factor	Order Code	Range (ppm)	Detection Limit	Test Method (# of reagents)	# of Tests	Ship Code
Absorbance	3250	568 nm	NA	NA	NA	NH
Ammonia Nitrogen	3241	0–5.0	0.05	Nessler (2)	60	R1
Chlorine (Free & Total)	3240	0–4.0	0.05	DPD Tablets (2)	100	NH
Chlorine (Free & Total)	3240-LI	0–4.0	0.05	DPD Liquid (3)	140	R1
Chlorine Dioxide	3244	0–7.0	0.05	DPD with Glycine Solution (2)	100	NH
Copper	3245	0–6.0	0.03	Diethyldithiocarbamate (1)	100	NH
Fluoride	3243	0–2.0	0.1	Alizarin-Zirconyl (2)	100	LQ
Iron	3248	0–5.0	0.25	1,10 Phenanthroline (2)	100	R1
Molybdenum	3246	0–30	0.5	Thioglycolate (3)	50	R3
Ozone	3249	0–0.4	0.04	Indigo Blue (3)	100	NH
Phosphate	3242	0–3.0	0.07	Ascorbic Acid (2)	100	R2

* Range as ppm except as otherwise indicated

Options:

USB Cable, 3 feet length (Order Code 1720-01)
USB Wall Adapter, 100-240V (Order Code 1721)
Replacement Tubes (Order Code 0290-6)



Liquid and Tablet Reagents

Replacement Reagents for DC1500 Chlorine

Liquid and Tablet Reagents

Liquid Reagents

The liquid alternative to DPD tablets can be used with existing LaMotte chlorine comparators or colorimeters. DPD 1A and DPD 1B are added to a 5 or 10 mL sample to test Free Available Chlorine. DPD 3 is added to the reacted sample to measure Total Chlorine.



30 mL (1 oz.)	Order Code	Shipping Code
DPD 1A	P-6740-G	NH
DPD 1B	P-6741-G	R2
DPD 3	P-6743-G	NH

60 mL (2 oz.)	Order Code	Shipping Code
DPD 1A	P-6740-H	NH
DPD 1B	P-6741-H	R2
DPD 3	P-6743-H	NH

DPD Instrument Grade TesTabs®

LaMotte has developed a rapid dissolve instrument grade DPD tablet system. Instrumental analyses require a clear, particle-free testing solution. In the past, it was necessary to use a crusher to dissolve the instrument grade tablets. Now, free and total chlorine samples can be done with instrument grade tablets that dissolve without crushing.



Tablet	Qty. 50	Qty. 100	Qty. 1000	Shipping Code
Chlorine DPD #1 Instrument*	6903A-H	6903A-J	6903A-M	NH
Chlorine DPD #3 Instrument*	6197A-H	6197A-J	6197A-M	NH
Chlorine DPD #4 Instrument*	6906A-H	6906A-J	6906A-M	NH

* Instrument DPD featuring ultra-clear fast dissolving tablets.



Order Code 4140-03

Chlorine Standards for DC1500 & SMART3

DPD Chlorine Secondary Standards, Order Code 4140-03

FAS-DPD Titration Kit for Chlorine Titration, Order Code 3176-02

Standard Chlorine Solution, 250 ppm, Order Code 6973-H (60 mL), Order Code 6973-L (475 mL)

Permanganate Solution, 1000 ppm, Order Code 3858-H (60 mL)

For use with the DC1500 series and SMART3 chlorine colorimeters. Secondary standards provide a fast way to check calibration without the burden of making primary standards. Based on Standard Methods for the Examination of Water and Wastewater, the operator can calibrate a colorimeter using a permanganate primary standard or a chlorine primary standard. Once the meter is calibrated using the primary standard, the operator can insert secondary standards periodically to evaluate the calibration of the instrument.

- Secondary standard kit contains a blank and 3 standards for low, mid-range, and high chlorine calibrations.
- Packaged in a small plastic case with Certificate of Analysis stating range of each standard.

COD Reagent Systems



Multi-Range COD Reagent Systems

LaMotte-manufactured Chemical Oxygen Demand reagent systems used with our SMART3 Colorimeter or SMART Spectro 2 Spectrophotometer are an easy and precise way to measure critical COD levels. Measure low, medium or high levels of COD using your choice of mercury (US EPA approved method) or non-mercury reagent systems. Each package contains 25 ready to use vials. All kits Shipping Code as R1.

Mercury Based Systems

Description	Range	Order Code
COD Low Range Reagent	0-150 ppm (EPA approved)	0075-SC‡
COD Standard Range Reagent	0-1500 ppm (EPA approved)	0076-SC‡
COD High Range Reagent	0-15,000 ppm	0077-SC‡

Mercury-Free Systems

Description	Range	Order Code
COD Low Range Reagent	0-150 ppm	0072-SC‡
COD Standard Range Reagent	0-1500 ppm	0073-SC‡
COD High Range Reagent	0-15,000 ppm	0074-SC‡

Requires COD Heater Block - Order Code 5-0102 (Sold Separately) & COD Adapter - Order Code 1724 (Sold Separately)
‡ Prop 65: B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Digestion Tubes for Total Nitrogen and Total Phosphorus

LaMotte offers low and high Total Phosphorus and a Total Nitrogen test that are reacted in a heater block and are then tested using a colorimeter or spectrophotometer. Each package contains 25 tubes.



Description	Range	Order Code
Low Total Phosphorus	0-3.5 mg/L)	4024-01
High Total Phosphorus	0-100 mg/L	4025-01

Requires COD Heater Block - Order Code 5-0102 (Sold Separately) & COD Adapter - Order Code 1724 (Sold Separately)

COD Heater Block

Order Code 5-0102 · Shipping Code NH (15)
Order Code 5-0102-EX2, 230V · Shipping Code NH (15)



This COD heater block features digital microprocessor control, programmable timer and temperature settings, and a dual LED display to monitor both temperature and timer. Perfect for COD, Total Phosphorus, and Total Nitrogen testing PLUS other tests requiring digestion. 12-Tube Capacity.

Specifications	
Temperature:	30-200°C
Timer:	0-999 minutes
Vial Capacity:	12 (16 mm tubes)
Stability:	±0.1°C at 100°C
Weight:	3.6 kg
Dimensions:	310 x 250 x 80 mm (LxWxH)
CE Mark:	Yes
Oven Temp Cutoff:	212°C

TRACER PockeTesters

Total Chlorine TRACER

Order Code 1740 · Shipping Code NH (1)

A pocket-sized ISE meter for measuring total chlorine. Use it to test pH and ORP with interchangeable flat surface sensors.

- Read Total Chlorine from 0.00-10 ppm
- Readings are not affected by sample color or turbidity
- Automatic self calibration; extra bold display includes an analog bar graph feature; memory can store up to 15 readings
- Chlorine and pH modes also display sample temperature
- Unit identifies which probe is in use and retains calibrations
- Automatic shut-off and Low Battery indicator; uses four 3V CR-2032 batteries
- Includes 100 reagent tablets at almost half the price of similar Chlorine ISE reagents
- Follows EPA protocol for ISE methods

Meter Specifications	
Test Factor	Total Chlorine
Range	0 to 9.99 ppm
Resolution	0.01 ppm
Accuracy	10%





TRACER Kit with pH, Total Chlorine and ORP Probes

Order Code 1740-KIT-01 · Shipping Code NH (5)

Includes Tracer meter with pH, Total Chlorine and ORP probes, 100 Chlorine tablets, 50 pH 7.0 buffer tablets, tablet crusher and convenient carrying case.

Optional Chlorine Test Tablets

Order Code 7044A-J · Shipping Code NH (1)

Specially formulated just for the TRACER, these deliver a precise amount of iodide for a 20 mL sample. Packages of 100.

Test Factors	Range	Resolution	Accuracy
Total Chlorine	0.01 to 10.00 ppm	0.5 to 5.00 ppm: ± (10% reading + 0.01 ppm); 5.00 to 10.00 ppm: ± (15% reading + 0.05 ppm)	2 decimal places
pH	0.00 to 14.00 pH	0.01 pH	±0.01 pH
ORP	-999 to 999 mV	1 mV	±4 mV
Temperature	32° to 149°F (0 to 65°C)	0.1°F/°C	±1.8°F/°C



pH TRACER

Order Code 1741 · Shipping Code NH (1)

Provided with 4, 7, and 10 pH buffer tablets.

- Rugged flat surface electrode will alert user when it's time to "RENEW"
- A "CAL" indicator shows when to recalibrate and user can select a 1, 2, or 3 point calibration
- Includes Automatic Temperature Compensation and displays temperature while showing pH result

Meter Specifications	
Range:	0.00 to 14.00 pH
Temp:	32° to 194°F (0° to 65°C)
Resolution:	0.01 pH
Accuracy:	±0.01 pH

TRACER Kit with pH and Total Chlorine Probes

Order Code 1741-KIT-01 · Shipping Code NH (5)

Includes Tracer with pH and Total Chlorine probe, 100 Chlorine tablets, 50 pH tablets, tablet crusher in a convenient carrying case.





ORP TRACER

Order Code 1742 · Shipping Code NH (1)

- High resolution to 1 mV
- Automatic self-calibration

Meter Specifications	
Range:	-999 to 999 mV
Resolution:	1 mV
Accuracy:	±4 mV

TRACER Kit with pH and ORP Probes

Order Code 1742-KIT-01 · Shipping Code NH (5)

Includes Tracer with pH and ORP probe, 100 Chlorine tablets, 50 pH tablets, tablet crusher in a convenient carrying case.



TRACER PockeTesters



TDS/SALT/CONDUCTIVITY/TEMP TRACER

Order Code 1749 · Shipping Code NH (1)

A pocket-sized ISE meter for measuring total chlorine. Use it to test pH and ORP with interchangeable flat surface sensors.

- Easy to use
- 2% accuracy for EC, TDS, and Salt modules
- Automatic temperature compensation
- Self calibration
- Memory can store up to 25 readings; autopower off after 10 minutes of no button presses
- Automatic shut-off and low battery indicator; uses four 3V CR-2032 button batteries

Options:

EC/TDS/SAL Replacement Electrode*
Order Code 1765

Sample Cup w/cap
Order Code 1745-1

Conductivity Standard, 84 µS, 30 mL
Order Code 6312-G

Conductivity Standard, 1413 µS, 30 mL
Order Code 6354-G

Conductivity Standard, 12,880 µS, 30 mL
Order Code 6317-G

Meter Specifications	
Conductivity:	0 to 199.9 µS, 200 to 1999 µS, 2.00 to 19.99 mS
TDS:	0 to 9,999 ppm
Salinity:	0 to 9,999 ppm
Temperature:	32°F to 149°F (0 to 65°C)
Accuracy:	EC, TDS, Salt: ± 2% FS; Temperature: ± 1°C (1.8°F)

* Not interchangeable with Cl/pH/ORP TRACER

Fluoride TRACER

Order Code 1756 · Shipping Code NH (1)

- The first Fluoride meter with built-in Automatic Temperature Compensation and fastest response (<1 min)
- Small sample/TISAB volume required for testing
- Complies with EPA Method 340.2 (Potentiometric Ion Selective Electrode)
- Automatic electronic 1 or 2 point calibration with offset adjustment
- Memory stores 25 labeled readings and water resistant to IP54
- Complete with electrode, 20 TISAB reagent tablets, sensor cap, four 3V button batteries, and 48" (1.2m) neckstrap

Options:

TISAB Reagent, 100 Tablets,
Order Code 7024-J

Fluoride Replacement Electrode*,
Order Code 1757

Fluoride Standard, 1 ppm, 1000 mL,
Order Code 2798-M

Fluoride Standard, 1,000 ppm, 60 mL,
Order Code 4154-H

Fluoride Standard, 1,000 ppm, 500 mL,
Order Code 4154-L



Meter Specifications	
Fluoride:	0.1 to 10 ppm, max. resolution: 0.1 ppm, accuracy: ±3% rdg
Temperature:	32°F to 140°F (0 to 60°C), max. resolution: 0.1 °F, accuracy: ±1.8°F/1°C
Accuracy:	EC, TDS, Salt: ± 2% FS; Temperature: ± 1°C (1.8°F)

* Not interchangeable with Cl/pH/ORP TRACER



pH/TDS/SALT/ CONDUCTIVITY/TEMP TRACER

Order Code 1766 · Shipping Code NH (1)

- Measures five parameters including Conductivity, TDS, Salinity, pH, and Temperature using one electrode
- Units of measure: pH, µS, mS, ppm, ppt, mg/L, g/L, °C, °F
- Memory stores up to 25 labeled readings; auto power off and low battery indicator
- Adjustable Conductivity to TDS ratio

Options:

pH/EC/TDS/SAL Replacement Electrode*, Order Code 1755

Sample Cups w/cap, Order Code 1745-1

Conductivity Standard, 84 µS, 30 mL, Order Code 6312-G

Conductivity Standard, 1413 µS, 30 mL, Order Code 6354-G

Conductivity Standard, 12,880 µS, 30 mL, Order Code 6317-G

Test Factor	Range	Resolution	Accuracy
Conductivity:	0 to 199.9 µS, 200 to 1999 µS, 2.00 to 19.99 mS	0.1 µS	±1%
TDS/Salinity:	0 to 99.9 ppm (mg/L), 100 to 999 ppm (mg/L), 1.00 to 9.99 ppt	0.1 ppm (mg/L)	±2%
pH:	0.00 to 14.00 pH	0.01 pH	±0.01 pH
Temperature:	32° to 149°F (0 to 65°C)	0.1°F/°C	±1.8°F/°C

* Not interchangeable with Cl/pH/ORP TRACER



Dissolved Oxygen TRACER

Order Code 1761 · Shipping Code NH (1)

- Oxygen level displayed as % Saturation from 0 to 200.0% or Concentration from 0 to 20.00 ppm (mg/L)
- Adjustable Altitude Compensation (0-20,000 ft in 1,000 ft increments)
- Adjustable Salinity Compensation from 0 to 50 ppt
- Memory stores up to 25 data sets with DO and Temperature reading
- Self-calibration on power up; Data, Hold, Auto power off, Low battery indicator
- Optional 3 ft (1m) or 16 ft (5m) extension cable; complete with DO electrode, protective sensor cap, spare membrane cap, electrolyte, four 1.5V CR-2032 batteries, and 48" (1.2m) neckstrap

Options:

DO Membrane Kit, 6 screw-on membranes and solution, Order Code 1761M

DO Sensor Module, Order Code 1762

3 ft. Cable, Order Code 1763

16 ft. Cable, Order Code 1764

Test Factor	Range	Resolution	Accuracy
DO (sat. mode)	0 to 200.0%	0.1%	±2% FS
DO (conc. mode)	0 to 20.00 ppm (mg/L)	0.01 ppm (mg/L)	0.4 ppm (mg/L)
Temp.	32 to 122°F (0 to 50°C)	0.1°F/°C	±1.8°F (1°C)

Other Specifications	
Dimensions	1.4 x 6.9 x 1.6" (36 x 176 x 41mm)
Weight	3.8 oz (110g)

ColorQ® 2x Meter

High Range Chlorine Test Kit



ColorQ® 2x High Range Chlorine Test Kit

Order Code 2100 · Shipping Code LQ (5)

Aim High with the LaMotte ColorQ® 2x High Range Chlorine Meter Kit

A perfect choice for analyzing your flushing and new main chlorine applications. Its simple operation allows swift measuring of total chlorine up to 750 ppm. The Bluetooth™ capable ColorQ® 2x photometer's large digital display helps deliver clear readings. Go digital and waterproof without breaking the bank!

Instrument Features:	
Instrument Type:	Dual Wavelength, waterproof, direct reading, colorimeter with Bluetooth communication
Digital Display:	128 x 64 graphic display
Wavelengths:	525nm and 568nm
Wavelength Accuracy:	±2nm
Light Sources:	LEDs
Detector:	Silicon photodiodes
Languages:	English
Interface:	push button and graphical display
Power:	DC 2.4 - 3.4V,
Battery:	2 AA batteries, ~0.40 A
Size (LxWxH):	3.9 X 2.9 X 3.9 inches
Weight:	7.2 oz, 204 g

Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

ColorQ® 2x Meter

Low Range Chlorine Test Kit



ColorQ® 2x Low Range Chlorine Test Kit

Order Code 2102 · Shipping Code NH (5)

Go low with a LaMotte ColorQ® 2x Low Range Chlorine Meter Kit!

This compact meter can detect low chlorine residuals down to 0.05ppm and up to 4.00 ppm. The double-wide tubes, precise optics, and DPD reagents make the ColorQ® 2x ideal for compliance monitoring. The Bluetooth™ capable ColorQ® 2x photometer's large digital display helps deliver clear readings. This fast and easy to use, waterproof meter will help your budget go low too!

Instrument Features:	
Instrument Type:	Dual Wavelength, waterproof, direct reading, colorimeter with Bluetooth communication
Digital Display:	128 x 64 graphic display
Wavelengths:	528nm and 568nm
Wavelength Accuracy:	±2nm
Light Sources:	LEDs
Detector:	Silicon photodiodes
Languages:	English
Interface:	push button and graphical display
Power:	DC 2.4 - 3.4V,
Battery:	2 AA batteries, ~0.40 A
Size (LxWxH):	3.9 X 2.9 X 3.9 inches
Weight:	7.2 oz, 204 g

Bluetooth® is a registered trademark of Bluetooth® SIG, Inc.

pH Buffers/Electrode Soaker





Standardized pH Buffer Solutions

For use in calibration of pH meters.

pH Value	Order Code	Size
4.01	2866-J 2866-L	120 mL 500 mL
6.86	2808-L	500 mL
7.00	2881-J 2881-L	120 mL 500 mL
9.18	2809-L	120 mL
10.00	2896-J 2896-L	120 mL 500 mL

See page 63 for additional pH values and sizes.

Color-Coded pH Buffer Solutions

Minute amount of color permits immediate visual distinction of different buffer values.

pH Value	Order Code	Color	Size
4.01	3771-L	Red	500 mL
7.00	3772-L	Yellow	500 mL
10.0	3773-L	Blue	500 mL

Conductivity/TDS Solutions

Ordering information for all buffers is listed below.

The following potassium chloride solutions can be used to standardize conductivity meters. TDS values are based on a 0.7 conversion from conductivity.



Order Code	Description	Size
6416-L	74 µS/cm, 52 ppm	500 mL
6312-L	84 µS/cm, 59 ppm	500 mL
6417-L	718 µS/cm, 503 ppm	500 mL
6354-L	1,413 µS/cm,989 ppm	500 mL
6418-L	6,668 µS/cm, 4668 ppm	500 mL
6317-L	12,880 µS/cm, 9016 ppm	500 mL
6419-L	58,640 µS/cm, 41,048 ppm	500 mL

See page 63 for additional sizes.

Electrode Soaker Bottle

Order Code 0668

Continuously soaks pH electrode in a storage solution to prevent probe dry out. Twist top "O" ring seal prevents leaks.



Insta-Test® Strips

Convenient and Economical





LaMotte offers a convenient, economical way to perform spot checks for several water quality factors. LaMotte test strips are a great way to monitor water without having to use reagents or field kits. Strips are available for the factors below...and we're working on more!

ACCURATE & RELIABLE Easiest test strips to read.

CONNECTED CAP Can't fall into the water or be lost.

HINGE GUARANTEE Rated for 1000+ openings.

LEAKPROOF Airtight seal meets USDA and FDA requirements.

DESICCANT WALL Can't fall onto wet hands.

6 GRAMS (NOT 3) Desiccant liner is double the industry standard for moisture protection.

DOUBLE DUTY High-density outer shell, combined with desiccant liner, ensure less moisture and light.

HDPP PROTECTION High density polypropylene plastic protects better than common HDPE bottles.



Insta-Test® Strips

Convenient and Economical

Single Factor Test Strips

Test Factor	Order Code	Range (ppm)	Water Testing Application*	# of Tests Per Factor/ Per Vial	Values (ppm)
Alkalinity	2997	0-180	Drinking, Food/Beverage	50	0, 40, 80, 120, 180
Ammonia	3023-G	0-6	Food/Beverage/Drinking	25	0, 0.5, 1.0, 3.0, 6.0
Borate	3017-G	0-80	Pool	25	0, 15, 30, 50, 80
Chlorine Dioxide	2999	0-10	Drinking, Food/Beverage	50	0, 1, 3, 5, 10
Chlorine Dioxide, Low Range	2999LR	0-10	Drinking, Food/Beverage	50	0, 0.25, 0.5, 1, 2.5, 5
Chlorine Dioxide	3002	0-500	Medical, Food/Beverage	50	0, 10, 25, 50, 100, 250, 500
Chlorine, Free, Low Range	2964-G	0-10	Drinking, Food/Beverage, Medical	25	0, 0.5, 1, 3, 5, 10
Chlorine, Total, Low Range	2963LR-G	0-10	Drinking, Food/Beverage, Medical	25	0, 0.25, 0.5, 1, 3, 10
Chlorine, Total, Low Range	2963LR-J	0-10	Drinking, Food/Beverage, Medical	100	0, 0.25, 0.5, 1, 3, 10
Chlorine, Total, Low Range	2979	0-5	Drinking, Food/Beverage	50	0, 0.5, 1, 3, 5
Chlorine, Free & Total	3027-G	0-10	Drinking, Food/Beverage, Medical	25	0, 0.5, 1, 3, 5, 10
Chlorine, High Range	3031	0-800	Food/Beverage, Medical	50	0, 50, 100, 250, 500, 800
Copper	2991-G	0-3.0	Drinking, Pool	25	0, 0.3, 0.6, 1, 3
Hardness, Low Range	2981	0-180	Drinking, Food/Beverage	50	0, 30, 60, 120, 180
Iron	2935-G	0-5	Drinking, Pool	25	0, 0.3, 0.6, 1.0, 3.0, 5.0
Lead Screening	5-0140	5 ppb	Drinking	10	Yes/No at 5 ppb
Nitrate	3012-G	0-200	Pool	25	0, 10, 30, 60, 120, 200
pH, Wide Range	2974	4-10 (pH)	Drinking, Food/Beverage	50	4, 5, 6, 7, 8, 9, 10
Peracetic Acid	3000	0-160	Food/Beverage	50	0, 10, 20, 50, 85, 160
Peracetic Acid, Low Range	3000LR	0-50	Food/Beverage	50	0, 5, 10, 20, 30, 50
Peracetic Acid, High Range	3000HR	0-1000	Food/Beverage	50	0, 50, 100, 250, 500, 1000
Hydrogen Peroxide HR	2984	0-90	Pool	25	0, 15, 30, 50, 90
Hydrogen Peroxide	2984LR	0-50	Drinking, Food/Beverage	25	0, 1, 3, 10, 30, 30, 50
Phosphate, Low Range†	3021-G-ENV	0-2500 ppb	Environmental	25	0, 100, 200, 300, 500, 1000, 2500 ppb
Phosphate, High Range	3040-G	3000-12000 ppb	Pool	25	3000, 6000, 12000 ppb
QAC Dual Range	2934	0-80; 0-800	Food/Beverage	50	Low: 0, 10, 20, 40, 80 ppm; High: 0, 100, 200, 400, 800 ppm
Sodium Chloride† (sold in case of 12)	2998	1500-5000	Pool	10	1500, 2000, 2500, 3000, 3500, 4000, 5000

* Strips shown have been evaluated for use in these applications. Use in other applications is subject to potential interferences. Contact LaMotte Technical Services for more information.

† Also available in 50 test strips per vial.





Insta-Test® Strips

Accurate and Reliable

Multi-Factor Test Strips

Test Factor	Order Code	Range (ppm)	Water Testing Application*	# of Tests Per Factor/ Per Vial	Values (ppm)
Chlorine (Total), Wide Range pH & Hardness	2993-G	0-10 TC; 4-10 pH; 0-450 Total Hardness; (0-26 gpg Total Hardness);	Drinking, Industrial	25	0, 0.5, 1, 3, 5, 10; 4, 5, 6, 7, 8, 9, 10; 0, 50, 100, 200, 450; 0, 3, 5.8, 11.7, 26
Chlorine (Total), Wide Range pH & Hardness	2993-J	0-10 TC; 4-10 pH; 0-450 Total Hardness; (0-26 gpg Total Hardness);	Drinking	100	0, 0.5, 1, 3, 5, 10; 4, 5, 6, 7, 8, 9, 10; 0, 50, 100, 200, 450; 0, 3, 5.8, 11.7, 26
Copper, pH, & Alkalinity (sold in case of 12)	3001-G	0-3 Copper; 6.2-8.4 pH; 0-240 Alkalinity	Pool	25; 25; 25	0, 0.3, 0.6, 1, 3; 6.2, 6.8, 7.2, 7.6, 8.0, 8.4; 0, 40, 80, 120, 180, 240
Iron & Copper	2994	0-5 Iron; 0-3 Copper	Drinking, Pool	25; 25	0, 0.3, 0.6, 1.0, 3.0, 5.0; 0, 0.3, 0.6, 1.0, 3.0
Iron, pH, Hardness, Total Chlorine	2992	0-5 Iron; 4-10 pH; 0-400 Hard; 0-10 TCl	Drinking, Industrial Water Features	25; 25; 25; 25	0, 0.3, 0.6, 1.0, 3.0, 5.0; 4, 5, 6, 7, 8, 9, 10; 0, 50, 100, 200, 400 0, 0.5, 1.0, 3.0, 5.0, 10.0
Nitrate & Nitrite	2996	0-50 Nitrate; 0-10 Nitrite	Drinking	50; 50	0, 5, 10, 25, 50 (NO_3-N); 0, 0.5, 1, 5, 10 (NO_2-N)
pH & Total Chlorine (Wide Range)	2987-G	4-10 pH; 0-50 TCl	Drinking, Pool, Food/Beverage	25; 25	4, 5, 6, 7, 8, 9, 10; 0, 1, 5, 10, 20, 50
6-Way Drinking Water	2933-G	0-10 FCl; 0-10 TCl; 0-400 Total Hardness; (0-23 gpg Total Hardness]; 4-10 pH; 0-10 Nitrite; 0-10 Nitrate	Drinking	25; 25; 25; 25; 25; 25	0, 0.5, 1, 3, 5, 10; 0, 0.5, 1, 3, 5, 10; 0, 50, 100, 200, 400; (gpg: 0, 3, 5.8, 11.7, 23]; 4, 5, 6, 7, 8, 9, 10; 0, 0.5, 1, 5, 10; 0, 5, 10, 25, 50
5-Way Natural Water Fresh & Salt Water	3038-G	0-200 Nitrate; 0-10 Nitrite; 6.0-9.0 pH; 0-240 Alkalinity; 0-180 Total Hardness	Environmental, Aquarium	25; 25; 25; 25; 25	0, 20, 40, 80, 160, 200; 0, 0.5, 1, 3, 5, 10; 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0; 0, 40, 80, 120, 180, 240; 0, 30, 60, 120, 180

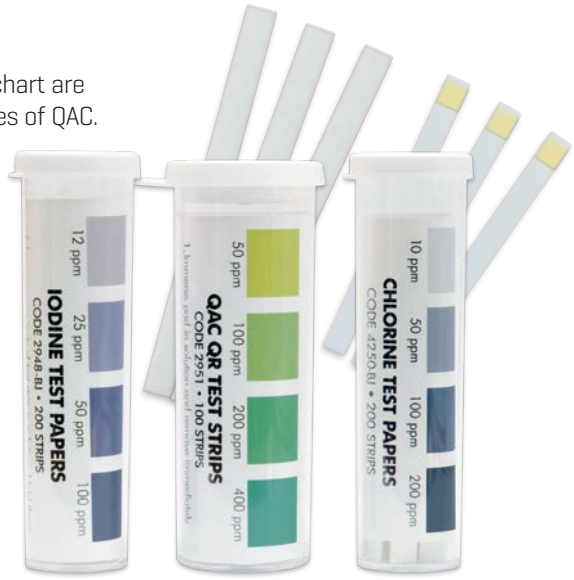


* Strips shown have been evaluated for use in these applications. Use in other applications is subject to potential interferences. Contact LaMotte Technical Services for more information.

Sanitizer Test Papers & Strips

Chemically treated paper strips change to indicate sanitizer level. Strips and color chart are packaged in a waterproof plastic vial. 2951 is specifically formulated to read all types of QAC.

Factor	Order Code	Range
Chlorine	4250-BJ	10, 50, 100, 200 ppm (200 papers)
Chlorine, Free, High Range	3031	0, 50, 100, 250, 500, 800 ppm (50 strips)
Iodine	2948-BJ	12, 25, 50, 100 ppm (200 papers)
QAC	2951	50, 100, 200, 400 ppm (100 strips)
QAC	3072-J	0, 100, 200, 300, 400, 500 ppm (100 strips)
QAC Dual Range Test Strips	2934	Low Range: 0, 10, 20, 40, 80; High Range: 0, 100, 200, 400, 800 (50 strips)
High Range QAC	2951HR	200, 400, 600, 1000, 1500 ppm (50 strips)



Coliform Testing Kit



Coliform Screening Test

Order Code 4-3616 · Shipping Code NH (1)

A simple 5-tube method to indicate the presence or absence of Total Coliform Bacteria in drinking water.

- Presumptive test for Total Coliform Bacteria
- NO incubation equipment required
- Results in 44-48 hours at room temperature (70° - 85°F)
- 18-month shelf life
- Portable, no accessory labware required
- Ideal test for well water and coliform breakthrough in distribution systems
- Independent laboratory tested (results available upon request)
- Quantity discount for 8 and 24 kits

Code	Test System	Range/Sensitivity	# of Tests (# of Reagents)
4-3616	Tableted nutrient based on 5 tube MPN	Presence/Absence	1 (1)

Biological Activity Reaction Test

A simple yet effective method for monitoring the population size and/or activity of specific groups of bacteria



BART (Biological Activity Reaction Test) Biodetector

With BART, you can monitor for Iron Related Bacteria (IRB), Sulfate Reducing Bacteria (SRB) and Heterotrophic Aerobic Bacteria (HAB) – the three most important agents involved in biofouling. Other BART systems are described below. These bacteria can cause corrosion, clogging, fouling of the water, and increased hygiene risks, so it is important to have an easy and accurate method of determining their presence and level of activity.

Easy to Use

The BART Biodetector requires no microscope, no laboratory, and no incubator! The test is done at room temperature in your office or treatment room, on a desk, shelf, or in a cupboard, and is viewed daily. Different microorganisms like to grow at different heights in a column of water to which nutrients have been added. BART biodetectors contain nutrients in the base of a column and a ball. The ball restricts the amount of oxygen entering the water column, so that aerobic organisms grow around the ball and anaerobic organisms grow deep down in the water column. By changing the nutrients in the base of the column, different organisms are encouraged to grow. BART determines presence and activity levels.

Easy to Analyze

The time taken for a color change (reaction) to occur gives a measure of the population size and activity. A color change occurs in the BART tube as a result of the oxygen gradient diffusing from the bottom upward. The change of color indicates a presence of bacteria within that sample. Interpretation is provided with the kit.

The Test

Each kit number below includes nine (9) BARTs. Each BART test is color-coded for quick and easy recognition. Full instructions for the use of BART biodetectors are included with your purchase. Each individual test consists of:

- Test vial with media and BART ball
- Outer tube for spill containment, odor control, disinfection, and disposal

Test Factor	BART Color	Order Code
Iron Related Bacteria - IRB-BART	Red	5-0024
Sulfate Reducing Bacteria - SRB-BART	Black	5-0025
Slime Forming Bacteria - SLYM-BART	Lime green	5-0026
Heterotrophic Aerobic Bacteria - HAB-BART	Blue	5-0027
Three each of IRB-, SRB-, and SLYM-BART*	Combo	5-0032

Acidity | Ammonia Nitrogen



In cleaning applications P alkalinity is sometimes referred to as active alkalinity. The difference between the P reading and the T reading is "inactive" alkalinity.

Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
ACIDITY A standard base titrates acidity to the phenolphthalein endpoint. Kit 7182-01 uses different sample sizes and a 1:10 dilution to test hydrochloric, sulfuric and phosphoric acids with either a 1 drop = 0.1% or 1 drop = 1.0 % equivalence.					
7182-01	HCl, H_2SO_4, H_3PO_4 Dropper Bottle	1 drop = 0.1 or 1.0% (as the particular acid)	50 at 10% (2)	R-7182-01	R1 (1)
ALKALINITY Kits use titrations with standard acid to the phenolphthalein (P) and/or total (T) alkalinity endpoint. The mixed indicator, BCG-MR, is used for total alkalinity determinations.					
4491-DR-01	Total Alkalinity Direct Reading Titrator	0–200 ppm/4ppm as $CaCO_3$	50 at 200 ppm (2)	R-4491-DR-01	NH (1)
4533-DR-01	P & T Alkalinity Direct Reading Titrator	0–200 ppm/4 ppm as $CaCO_3$	50 at 200 ppm (3)	R-4533-DR-01	NH (1)
7240-02	P & T Alkalinity Dropper Bottle	1 drop = 10, 25, or 50 ppm as $CaCO_3$	100 at 500 ppm (3)	R-7240-02	R1 (2)
3467-01*†	P & T Alkalinity Direct Reading Titrator	0–200 ppm/4 ppm as $CaCO_3$	50 at 200 ppm (3)	R-3467-01	R1 (1)
ALUMINUM A pink to red color will form when aluminum reacts with Eriochrome Cyanine R at pH 6.					
3569-01	Octa-Slide 2 Comparator	0, 0.1, 0.15, 0.2, 0.25, 0.3, 0.4, 0.5 ppm Al^{3+}	50 (2)	R-3569-01	NH (1)
AMMONIA NITROGEN Two colorimetric methods are available. Nessler's reagent reacts with ammonia to form a yellow to brown color; salicylate reacts to form a blue color, which in combination with the yellow reagent color produces colors from yellow to blue. The salicylate method is preferred for salt water analysis and does not contain mercury salts as does the Nessler method.					
3304-02	Salicylate, Octa-Slide 2 Comparator	0.0, 0.05, 0.1, 0.25, 0.5, 1.0, 2.0 ppm NH_3-N	50 (3)	R-3304-01	R2 (1)
5864-01	Salicylate Color Chart	0.1, 0.25, 0.50, 1.0, 2.0, 4.0 ppm NH_3-N	50 (2)	R-5864-01	R1 (1)
4795-01 ‡R	Nessler, Octa-Slide 2 Comparator	1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0 ppm NH_3-N	50 (2)	R-3315	R1 (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
AMMONIA NITROGEN ...Continued					
3241 DC1500-NH‡	Nessler Colorimeter	0–5.0/0.05	60	R-3241	R1 (5)
BACTERIA See Microbiological Testing section pages 32-33.					
BLEACH (See Chlorine Bleach)					
BROMINE Bromine may be tested using color development with a ferrous ammonium sulfate titration in the presence of DPD indicator. The 3624-01 titration kit uses one sample size to test chlorine and one to test bromine. It includes a 1:10 dilution for determination of concentrations of 100 ppm or higher.					
3624-01	FAS Chlorine or Bromine, Direct Reading Titrator	0–10 ppm/0.2 ppm Cl or Br; 0–100 ppm/2 ppm Cl or Br	50 at 10 ppm (3)	R-3624-01	NH (1)
CALCIUM (See Hardness)					
CARBON DIOXIDE A standard alkali is used to titrate samples to the phenolphthalein endpoint.					
7297-DR-01	Direct Reading Titrator	0–50 ppm/1.0 ppm CO_2	50 at 50 ppm (2)	R-7297-DR-01	R1 (1)
CAUSTIC A sample is reacted with barium to precipitate any carbonates, then is titrated with a standard acid to the phenolphthalein endpoint. Kit 7181-01 includes a 1:10 dilution, resulting in a 1 drop = 0.1% or 1 drop = 1% equivalence.					
7516-DR-02	Direct Reading Titrator	0–10%/0.2% NaOH	50 at 10% (4)	R-7516-DR-02	R1 (1)
7181-01	Dropper Bottle	1 drop = 0.1 or 1% NaOH	50 at 10% (3)	R-7181-01	R1 (1)
CHELANT Free chelant is determined by using the back titration of a hardness test, with magnesium as the titrant. Since bismuth will displace other metals from chelants, it is used for total chelant determinations. Both tests use different sample sizes to determine NTA or EDTA.					
7143-01	Total Chelant, Dropper Bottle	1 drop = 5 ppm EDTA; 1 drop = 5 ppm NTA	100 (3)	R-7143-01	HF (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Chloride | Chlorine



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
CHLORIDE The argentometric method is used with all kits. This employs a chromate indicator and silver nitrate titrant. Hydrogen peroxide is included with kit 7172-02 to eliminate sulfite interference.					
4503-DR-02	Direct Reading Titrator	0–200 ppm/4 ppm Cl^-; 0–20,000 ppm/400 ppm	50 at 200 ppm (4)	R-4503-DR-02	R1 (1)
7459-02	Salinity, Direct Reading Titrator	0-20 ppt/0.4 ppt Salinity	50 at 20 ppt (2)	R-7459-02	R1 (1)
7172-02	Dropper Bottle	1 drop = 10, 25, or 50 ppm Cl^-	120 at 100 ppm (5)	R-7172-02	R1 (2)
CHLORINE Free, Combined and Total Chlorine may be determined using DPD with either colorimetric or titrimetric methods. These determinations are generally limited to concentrations of 0–10 ppm, although the FAS titration can test higher concentrations by dilution or with the addition of more DPD indicator. Higher concentrations require the iodometric titration, whereby the sample is acidified and iodide is added, which is oxidized by chlorine to iodine and is titrated with a standard thiosulfate solution. Iodometric determinations will only test total chlorine.					
FREE & TOTAL					
3308-01*	DPD Tablet, Octa-Slide 2 Comparator	0.2, 0.4, 0.6, 0.8, 1.0, 1.5, 2.0, 3.0 ppm Cl	50 (2)	R-3308-01	NH (1)
3312-01*	DPD Tablet, Octa-Slide 2 Comparator	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.8, 1.0 ppm Cl	50 (2)	R-3312-01	NH (1)
3314-01*	DPD Tablet, Octa-Slide 2 Comparator	Low: 0.1–1.0 ppm Cl; High: 1.0–6.0 ppm Cl	100 (2)	R-3314-01	NH (1)
3328-01	DPD Tablet, Octa-Slide 2 Comparator	1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0 ppm Cl	50 (2)	R-3328-01	NH (1)
3240 DC1500	DPD Tablet, Colorimeter	0–4.0 ppm/0.05 ppm Cl	100 (2)	R-3670-01	NH (4)
3240-LI DC1500-LI	DPD Liquid, Colorimeter	0–4.0 ppm/0.05 ppm Cl	144 (3)	R-3670-01-LI	R1 (5)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Chlorine | Test Papers/Strips



Two Choices for Refills:

1. For a complete set, add"R-" to the kit order code number.

2. For individual reagents, order by the code of the reagent.

See pages 56-62 for a list of kit reagents.

Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
DPD FREE, MONO & DICHLORAMINES, TOTAL CHLORINE, pH					
6980-01	DPD Tablet/ Phenol Red Tablet, Octa-Slide 2 Comparator	Low: 0.1–1.0 ppm Cl; High: 1.0–6.0 ppm Cl; pH: 6.8–8.2	200 (5)	R-6980	NH (7)
DPD-FAS TITRATION FOR FREE AND TOTAL CHLORINE					
3176-02*†	Direct Reading Titrator	0–10 ppm/0.2 ppm Cl	50 at 10 ppm (4)	R-3176-02	R1 (2)
3624-01	Chlorine or Bromine, Direct Reading Titrator	0–10 ppm/0.2 ppm Cl or Br; 0–100 ppm/2 ppm Cl or Br	50 at 10 ppm (3)	R-3624-01	NH (1)
7514-01	FAS, Dropper Bottle Titration	1 drop = 0.2 or 0.5 ppm Cl	50 (3)	R-7514-01	NH (1)
IODOMETRIC TITRATION (For higher total chlorine levels)					
4497-DR-01	Direct Reading Titrator	0–200 ppm/4 ppm Cl	50 at 200 ppm (3)	R-4497-DR-01	R2 (1)
4497-01	Dropper Pipet	1 drop = 10 ppm Cl	50 at 200 ppm (3)	R-4497-01	R2 (1)
4501-01	Dropper Pipet	1 drop = 1 ppm Cl	50 (3)	R-4501-01	R2 (1)
CHLORINE BLEACH, IODOMETRIC TITRATION					
7105-03	Direct Reading Titrator	0–10%/0.2% Cl	50 at 10% (3)	R-7105-03	R1 (2)
7894-01	Dropper Pipet	1 drop = 0.005%, 0.05%, or 0.5% Cl	50 at 0.1, 1.0, or 10% (3)	R-7894-01	R1 (1)
CHLORINE TEST PAPERS/STRIPS See other Chlorine test strips on pages 30-31.					
4250-BJ	Chlorine Test Papers	10, 50, 100, 200 ppm, Cl	200 (1)	R-4250-BJ	NH (1)
2964-G	Chlorine Test Strips	0, 0.5, 1, 3, 5, 10 ppm, Free Cl	25 (1)	R-2964-G	NH (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Chlorine | DEHA



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
CHLORINE TEST PAPERS/STRIPS ...Continued. See other Chlorine test strips on pages 30-31.					
2963LR-G	Chlorine Test Strips	0, 0.1, 0.25, 0.5, 1, 3, 10 ppm, Total Cl	25 (1)	R-2963LR-G	
3031	Chlorine Test Strips	0, 50, 100, 250, 500, 800 ppm Cl	50 (1)	R-3031	
2979	Chlorine Test Strips	0, 0.5, 1, 3, 5 ppm Total Cl	50 (1)	R-2979	
CHLORINE DIOXIDE The colorimetric kits use DPD to determine chlorine dioxide. Glycine is added in the method to remove free chlorine interferences. Chlorite up to 1,000 ppm and chlorine up to 2 ppm will not interfere with the test strip determinations.					
2999LR	Test Strip	0, 0.25, 0.50, 1.0, 3.0, 10 ppm	50	R-2999LR	NH (1)
3002	Test Strip	0, 10, 25, 50, 100, 250, 500 ppm	50	R-3002	NH (1)
3244 DC1500-CLO	Colorimeter	0-7 ppm/0.05 ppm ClO_2	100 (2)	R-3244	NH (3)
COLIFORM See also Microbiological Testing section pages 32-33.					
COPPER A yellow color is formed when copper reacts with diethyldithiocarbamate (DDC). A blue color is formed when copper reacts with Cuprizone.					
3619	Cuprizone, Color Chart	0.05, 0.10, 0.15, 0.20, 0.30, 0.50, 0.70, 1.0 ppm Cu	50 (2)	R-3619	R1 (1)
3245 DC1500-CO	DDC, Colorimeter	0–8 ppm/0.03 ppm Cu	100 (1)	R-3673-01	NH (7)
CYANIDE The cyanide is first reacted with a chlorine donor to form cyanogen chloride, which then reacts with pyridine-barbituric acid to form a red-blue color. The test is also applicable as a screening test for concentrations up to 250 ppm.					
7387-02	Octa-Slide 2 Comparator	0.0, 0.10, 0.15, 0.20, 0.25, 0.30, 0.35, 0.40 ppm Free CN^-	50 (5)	R-7387-02	R1 (3)
DEHA Diethylhydroxylamine reacts with ferric iron to form ferrous iron, which is then measured by a standard iron test.					
4790-01	Octa-Slide 2 Comparator	0.05, 0.1, 0.2, 0.4, 0.6, 0.8, 1.0, 1.5 ppm DEHA	100 (3)	R-4790-01	R1 (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
DETERGENTS Anionic surfactants are extracted with toluene and break up an ion pair, releasing bromphenol blue into a water layer. A standard color reagent is then used to determine the concentration.					
4507-02 ‡R	Dropper Pipet	1 drop = 1.0 ppm Detergent	60 at 5.0 ppm (3)	R-4507-02	R1 (2)
FLUORIDE A red zirconium lake reacts with fluoride to form a colorless solution, which decreases the red color of the solution in proportion to concentration.					
3243 DC1500-FL	Colorimeter	0–2.0 ppm/0.03 ppm Fl^-	100 (2)	—	LQ (7+5)
HARDNESS EDTA titration is used for all hardness determinations, with a red to blue endpoint. Both total and calcium hardness buffers include inhibitors to eliminate metal interferences. All results are as $CaCO_3$; some kits also express results as gpg. 3609-01, which is recommended for salt water analysis, includes a conversion factor for Ca++. The -LI suffix indicates an all liquid kit; -LT indicates a liquid buffer and tablet indicator.					
3609-01	Fresh & Salt Water Calcium Hardness, Direct Reading Titrator	0–200 ppm/4 ppm $CaCO_3$; 0–2,500 ppm by dilution	50 (3)	R-3609-01	R1 (1)
4482-DR-LI-01	Total Hardness, Direct Reading Titrator	0–200 ppm/4ppm $CaCO_3$; Liquid Indicator	50 at 200 ppm (3)	R-4482-DR-LI-01	R1 (1)
4482-LI-02	Total Hardness, Dropper Bottle	1 drop = 10 ppm or 1 gpg $CaCO_3$; Liquid Indicator	50 at 200 ppm; or 20 gpg (3)	R-4482-LI-02	R1 (1)
4482-DR-LT-01	Total Hardness, Direct Reading Titrator	0–200 ppm/4 ppm $CaCO_3$; Tablet Indicator	50 at 200 ppm (3)	R-4482-DR-LT-01	R1 (1)
4824-LT-02	Calcium, Magnesium, Total Hardness, Dropper Bottle	1 drop = 10 ppm or 1 gpg $CaCO_3$; Tablet Indicator	50 at 200 ppm; or 20 gpg (5)	R-4824-LT-02	R1 (1)
4824-DR-LT-01	Calcium, Magnesium, Total Hardness, Direct Reading Titrator	0–200 ppm/4 ppm $CaCO_3$; Tablet Indicator	50 at 200 ppm (5)	R-4824-DR-LT-01	R1 (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Hardness | Iodine

Hardness originally referred to the ability of water to lather with soap. The more calcium and magnesium ions present, the "harder" it was to product a lather.



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
HARDNESS ...Continued..					
3037-DR-01	Low Range Total Hardness, Direct Reading Titrator	0–10 ppm/0.2 ppm $CaCO_3$	50 at 10 ppm (3)	R-3037-DR-01	R1 (1)
7171-02	Total Hardness, Dropper Bottle	1 drop = 10, 25, or 50 ppm $CaCO_3$	100 (3)	R-7171-02	R1 (1)
7246-02	Total Hardness, Dropper Bottle	1 drop = 2, 5, or 10 ppm $CaCO_3$	100 (3)	R-7246-02	R1 (1)
HYDROGEN PEROXIDE Although peroxide may be tested colorimetrically with DPD, the most common method is iodometric titration using a standard thiosulfate solution. Both methods are offered.					
7138-DB-01	Iodometric, Dropper Bottle	1 drop = 5 ppm H_2O_2	50 (4)	R-7138-DB-01	LQ (2)
7150-01	Iodometric, Dropper Bottle	1 drop = 0.5% H_2O_2	50 (4)	R-7150-01	LQ (2)
2984LR	Test Strips	0, 1, 3, 10, 30, 50	25 (1)	R-2984LR-H	NH (1)
IODINE As with many other oxidizers, iodine may be titrated with a standard thiosulfate solution, hence the name iodometric titration.					
7253-DR-01	Direct Reading Titrator	0–50 ppm/1 ppm I_2	50 at 50 ppm (3)	R-7253-DR-01	R1 (1)
7253-01	Dropper Pipet	1 drop = 2.5 ppm I_2	100 at 25 ppm (3)	R-7253-DR-01	R1 (1)
2948-BJ	Test Papers	12, 25, 50, 100 ppm I_2	200	R-2948-BJ	NH (1)

Shipping Codes: [NH] Non-Hazardous Material - No Fees; [R1] Small Qty. Hazardous Material - No Fees; [LQ, R2, R3] Hazardous Material - Air Fees Only; [HF] Hazardous Material - Air & Ground Fees.

* [NPDWR] EPA Accepted

† [NPDES] EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Iron | Molybdate/Molybdenum



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
IRON Bipyridyl is a ferrous iron indicator that tests total iron after any ferric iron is reduced to ferrous in the sample. Ferrous and ferric may be tested separately by eliminating the reduction step. A similar ferrous indicator, 1,10 phenanthroline, is used in the 3248 DC1500 kit.					
7787-01	Total Iron, LRC Comparator	0.05, 0.10, 0.20, 0.30, 0.40, 0.60, 0.80, 1.0 ppm Fe	30 (2)	R-7787-01	R1 (1)
4447-01	Total Iron, Octa-Slide	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm Fe	90 (2)	R-3318	R1 (1)
3347-01	Ferrous/Ferric Iron, Octa-Slide 2 Comparator	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm Fe	100 (3)	R-3347-01	R1 (1)
3248 DC1500-FE	Total Iron, 1, 10 Phenanthroline Colorimeter	0–4.0 ppm/0.25 ppm Fe	100 (2)	R-3681-01	R1 (1)
MANGANESE The 1-(2-pyridylazo)-2-naphthol(PAN) method forms an orange complex with manganese. Metal interferences with the PAN method can be eliminated using the 7104 Cyanide Inhibitor Package, sold separately.					
3588-02	PAN, Octa-Slide 2 Comparator	0.05, 0.1, 0.2, 0.4, 0.6, 0.8, 1.0 ppm Mn	50 (4)	R-3588-02	LQ (2)
MICROBIOLOGICAL TESTING See section pages 32-33.					
MOLYBDATE/MOLYBDENUM There are three colorimetric methods and one titration method available. The 6628-01 uses Xanthogonate to form a pink color with molybdate. Thioglycolate forms a yellow color for low to high determinations. 3628-01 uses a new test strip technology that reads 0, 0.5, 1, 2 and 5 ppm. Results are available in about 1 minute. The sample size may be changed to vary the equivalence.					
3628-01	Test Strip	0, 0.5, 1.0, 2.0, 5.0 ppm	50 (1)	R-3628-01	R1 (1)
6628-01	Xanthate, Sodium Molybdate, Octa-Slide 2 Comparator	1, 2, 3, 4, 5, 6, 8, 10 ppm Sodium Molybdate	100 (2)	R-6628-01	R1 (1)

Shipping Codes: [NH] Non-Hazardous Material - No Fees; [R1] Small Qty. Hazardous Material - No Fees; [LQ, R2, R3] Hazardous Material - Air Fees Only; [HF] Hazardous Material - Air & Ground Fees.

* [NPDWR] EPA Accepted

† [NPDES] EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Molybdate/Molybdenum | Nitrate Nitrogen



Molybdenum x 1.6 = Molybdate

Sodium Molybdate Dihydrate x 0.4 = Molybdenum

Molybdate x 0.63 = Molybdenum

Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
NITRATE NITROGEN The nitrate is reduced to nitrite by cadmium or zinc and this undergoes diazotization/coupling to form a pinkish color. All kits below use cadmium except 3354-01, which uses zinc and which also contains a reagent that eliminates nitrite interference. Kit 3519-01 tests both nitrate and nitrite. Kit 3119-01 uses one comparator that contains both nitrate and phosphate standards. The phosphate method in kit 3119-01 is an ascorbic acid reduction. See page 21 for Total Nitrogen Digestion Tube Test.					
3119-01‡	Cadmium Reduction, Nitrate/Phosphate; LRC Comparator	0.2, 0.4, 0.6, 1.0 ppm NO_3–N; 0.2, 0.4, 0.6, 1.0 ppm PO_4^{3-}	Nitrate: 40 (2); Phosphate: 50 (2)	R-3119-01	R1 (2)
3615-01‡	Cadmium Reduction, Nitrate/Nitrite, LRC Comparator	0, 0.2, 0.4, 0.6, 0.8, 1.0 ppm NO_3–N	50 (2)	R-3615-01	R1 (2)
3519-01‡	Cadmium Reduction, Octa-Slide 2 Comparator	0.25, 0.5, 1.0, 2.0, 4.0, 6.0, 8.0, 10.0 ppm NO_3–N	40 (3)	R-3519-01	R1 (1)
3354-01	Zinc Reduction, Octa-Slide 2 Comparator	0.0, 1.0, 2.0, 4.0, 6.0, 8.0, 10.0, 15.0 ppm NO_3–N	50 (2)	R-3354-01	NH (2)
NITRITE NITROGEN As with nitrate, above, the diazotization/coupling reaction is used to form a pink color with nitrite.					
3352-01	Octa-Slide 2 Comparator	0.05, 0.10, 0.20, 0.30, 0.40, 0.50, 0.60, 0.80 ppm NO_2–N	50 (3)	R-3352-01	NH (2)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Nitrite, Sodium | Peracetic Acid



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
NITRITE, SODIUM Sodium nitrite is titrated using one of two methods. After acidifying the sample, permanganate will oxidize nitrite. When all of the nitrite is oxidized, the permanganate turns the sample pink. Ceric Ammonium Nitrate (CAN) also oxidizes the nitrite in the presence of ferroin indicator. The endpoint is orange to blue. The CAN method is preferred if glycol is present.					
7101-DR-01	Permanganate, Direct Reading Titrator	0–1000 ppm/20 ppm $NaNO_2$	50 at 1000 ppm (2)	R-7101-DR-01	R1 (1)
7101-01	Permanganate, Dropper Pipet	1 drop = 50 or 100 ppm $NaNO_2$	50 at 1000; or 2000 ppm (2)	R-7101-01	R1 (1)
3036-DR-02	CAN, Direct Reading Titrator	0–1000 ppm/20 ppm $NaNO_2$	50 at 1000 ppm (2)	R-3036-DR-02	R1 (1)
7183-02	CAN, Dropper Bottle	1 drop = 50 ppm $NaNO_2$	50 at 1000 ppm (2)	R-7183-02	R1 (1)
OXYGEN, DISSOLVED The azide modification of the Winkler method is a modified iodometric titration whereby oxygen, in the presence of a strong alkali, oxidizes manganese, which in turn reacts with iodide to form iodine. This is titrated with a standard thiosulfate solution in the presence of a starch indicator to enhance the endpoint. Azide eliminates nitrite interference.					
5860-01	All liquid reagents Direct Reading Titrator	0–10 ppm/0.2 ppm O_2	50 at 10 ppm (5)	R-5860-01	R1 (2)
OZONE DPD reacts with ozone, but any other oxidizers will interfere. The Indigo Trisulfonate method includes a step to eliminate chlorine interference, but bromine will interfere. It is preferred for the analysis of salt water samples.					
3249 DC1500-OZ	Indigo Trisulfonate, Colorimeter	0–0.4 ppm/0.04 ppm O_3	100 (3)	R-3678-01	NH (7)
PERACETIC ACID/HYDROGEN PEROXIDE This test is a combination of two separate titrations. The first is a cerium titration of peroxide. The second is an iodometric titration of peracetic acid.					
7191-02	Dropper Bottle	1 drop = 50 ppm Peroxide; 1 drop = 6, 15 or 300 ppm Peracetic Acid	50 (5)	R-7191-02	R1 (2)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Peracetic Acid Test Strips | Phosphate



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
PERACETIC ACID TEST STRIP					
3000	Test Strips	0, 10, 20, 50, 85, 160 ppm	50	—	NH (1)
3000LR	Test Strips	0, 5, 10, 20, 30, 50 ppm	50	—	NH (1)
3000HR	Test Strips	0, 50, 100, 250, 500, 1000	50	—	NH (1)
pH TEST PAPERS					
2912	Test Papers	3.0-10.0 pH/1 pH	200 Strips	—	NH (1)
2953	Test Papers	4.5-7.5 pH/0.5 pH	1 Roll	—	NH (1)
2954	Test Papers	0-13 pH/1 pH	1 Roll	—	NH (1)
2956	Test Papers	1-11 pH/1 pH	1 Roll	—	NH (1)
2959	Test Papers	8-12 pH/0.5 pH	2 Rolls	—	NH (1)
3-2950	pH Indicator Sticks	0–14/1 pH	100 Strips	—	NH (1)
PHOSPHATE There are 3 colorimetric test methods. In two, a phosphomolybdate complex is reduced by stannous chloride or ascorbic acid to produce a blue color. In a third, phosphate forms a yellow complex with vanadomolybdate.					
3242 DC1500-PLR	Ascorbic Acid, Colorimeter	0–3.0 ppm/0.07 ppm PO_4^{3-}	100 (2)	R-3242	R2 (7)
3121-02	Ascorbic Acid, LRC Comparator	0, 0.2, 0.4, 0.6, 0.8, 1.0, 1.5, 2.0 ppm PO_4^{3-}	50 (2)	R-3121-02	R1 (1)
3114-02	Ascorbic Acid, Octa-Slide 2 Comparator	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm and 5.0, 10.0, 20.0, 30.0, 40.0, 60.0, 80.0, 100.0 ppm PO_4^{3-}	50 (2)	R-3114-02	R1 (1)
4408-01	Stannous Chloride, Octa-Slide 2 Comparator	Low: 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 8.0, 10.0 ppm PO_4^{3-}; High: 10, 20, 30, 40, 50, 60, 80, 100 ppm PO_4^{3-}	50 (2)	R-4408-01	LQ (1)
4401-02	Vanadate Molybdate, Octa-Slide 2 Comparator	10, 20, 30, 40, 50, 60, 70, 80 ppm PO_4^{3-}	50 (1)	R-4401-02	R1 (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

pH must be controlled and monitored because it plays an essential role in almost all chemical and biological processes.

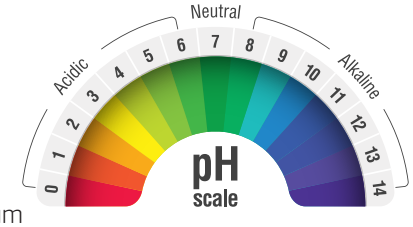


pH indicators work in a specific range. Samples with a pH above the range of an indicator may match the highest standard on the comparator; samples below the range may match the lowest standard.

LaMotte pH Test Kits

The "Precision Wide Range" pH kit includes the Octa-Slide comparator and reagents to provide 100 tests. Other pH test kits consist of an Octa-Slide Comparator, and a reagent for 50 tests. LaMotte Company has been supplying laboratory quality pH indicator tests to professional analysts for more than one-hundred years; these are the most reliable, economical pH test kits available. Simply fill the tube to the mark with the sample water, add several drops of indicator, and compare the resulting color against the eight permanent color standards in the comparator.

How To Select The Right pH Kit: Single or Wide Range?



Single range kits cover a range of 1.4 pH units in 0.2 unit increments (0.1 unit sensitivity). Wide range kits cover pH units in increments of 0.5.

Which Range?

Choose a kit in which the midpoint of the range covered is as close to the average or optimum pH value of the sample water. If this value is unknown, choose the Precision Wide Range Kit.

Indicators specific to a particular pH range allow colorimetric determination of pH.
If the water to be tested is cloudy, greater accuracy will be obtained using a pH meter.

Order Code	pH Indicator	Octa-Slide Comparator Color Standard Values In pH Units								Reagent Refill Oder Code	Hazard (Shipping Weight/Lbs)
pH											
2109-01	Bromthymol Blue	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	R-2109-01	NH (1)
2111-01	Cresol Red	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	R-2111-01	NH (1)
2112-01	Thymol Blue	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	R-2112-01	NH (1)
5858-01	Precision Wide Range	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	—	R1 (1)
		7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5		
3353-01	Precision Wide Range	5.0	6.0	6.5	7.0	7.5	8.0	9.0	10.0	R-3353-01	R1

Phosphonate | QAC



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
PHOSPHONATE The Chromazurol S method may be used for Dequest (xo), Bayhibit (CAS), Belcor 575 (xo) and Belsperse 161 phosphonates (CAS). An additional liquid acid is included for very high alkalinity samples. It also includes a fluoride inhibitor reagent.					
7625-DR-01	CAS, Direct Reading Titrator	0–20 ppm/0.4 ppm HEDP/PBTC	50 at 20 ppm (5)	R-7625-DR-01	R1 (1)
7625-01	CAS, Dropper Pipet	1 drop = 1.25 ppm HEDP; 1 drop = 1.4 ppm PBTC	50 at 20 ppm (5)	R-7625-01	R1 (1)
7530-DR-01	XO, Direct Reading Titrator	0–20 ppm/0.4 ppm NaAMP	50 at 20 ppm (5)	R-7530-DR-01	R1 (2)
7530-WT-01	XO, Dropper Bottle	1 drop = 1 ppm NaAMP	50 at 20 ppm (5)	R-7530-WT-01	R1 (2)
POLYQUAT The test is based on the reaction of the cationic polyquat with an anionic polyelectrolyte using Toluidine Blue O as the indicator. The color change is blue to purple.					
7056-01	Dropper Bottle	1 drop = 1 ppm Polyquat	100+ (5)	R-7056-01	R1 (1)
POTASSIUM Sodium tetraphenylboron reacts with potassium to form a white precipitate. The turbidity of the solution is proportional to potassium concentration which is measured in a calibrated tube.					
3138-01	Turbidity Reading Tube	6, 8, 10, 20, 30, 40, 50 ppm K^+	100 (2)	R-3138-01	R1 (1)
QAC Two methods are available. A masked bromphenol blue indicator is added to the sample and turns green. Sodium tetraphenyl-boron is added to complex the QAC and the color changes to red. This method is best suited to higher QAC concentrations. A poly-electrolytic titration, like the one used for polyquat, is used for low to high concentrations.					
3043-DR-01	BPB, Direct Reading Titrator	0–500 ppm/10 ppm; Alkyl dimethyl benzyl ammonium chloride	50 at 500 ppm (2)	R-3043-DR-01	NH (1)
3042-01	BPB, Direct Reading Titrator	0–1,000 ppm/20 ppm; 0–5,000 ppm/100 ppm with dilution	50 at 1,000 ppm (2)	R-3042-01	NH (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product



Many wood treating companies use QAC kits to monitor their products because the wood preservatives react similarly to QAC.

Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
QAC ...Continued.					
7057-01	Polyelectrolytic, Dropper Bottle	1 drop = 2, 5, or 10 ppm; Alkyl dimethyl benzyl ammonium chloride	100+ (5)	R-7057-01	R1 (2)
2951	Test Papers	50, 100, 200, 400 ppm	100	—	NH (1)
2951HR	Test Strips	200, 400, 600, 1000, 1500 ppm	50	—	NH (1)
SALINITY Salinity is based on the concentration of chloride. An argentometric titration with silver nitrate is used to determine the chloride concentration.					
7459-02 ‡B	Direct Reading Titrator	0–40 ppt/0.4 ppt Salinity	50 at 20 ppt (2)	R-7459-02	R1 (1)
SILICA The heteropoly blue method tests for "molybdate-reactive" silica. 4463-01 uses a 1:10 dilution to expand the range of the kit to 100 ppm.					
4463-01	Octa-Slide 2 Comparator	0.5, 1.0, 2.0, 3.0, 4.0, 6.0, 8.0, 10.0 ppm; or 5, 10, 20, 30, 40, 60, 80, 100 ppm SiO_2	50 (4)	R-4463-01	R1 (1)
SODIUM NITRITE (See Nitrite, Sodium)					
SULFATE Barium forms a precipitate with sulfate. The turbidity formed is measured using comparator standards or a meter.					
7778-01	Tablet, Octa-Slide 2 Comparator	20, 40, 60, 80, 100, 120, 160, 200 ppm SO_4^{2-}	50 (1)	R-7778-01	R1 (1)
3247 DC1500-SU	Colorimeter	0–100 ppm/1.0 ppm SO_4^{2-}	100 (1)	R-3247	R1 (6)
SULFIDE Both kits use the Pomeroy methylene blue method for analysis. The colorimetric method uses color standards to read total sulfide. Total, dissolved and hydrogen sulfide can be separated in the titration test. The total sulfide is determined using a color dye which is added to an unreacted sample until it matches a reacted sample. The same procedure is used for dissolved sulfide, after insoluble matter is removed by aluminum floc. Hydrogen sulfide is determined by measuring pH and multiplying the dissolved sulfide concentration by a pH correction factor.					
4456-01	Total Sulfide, Octa-Slide 2 Comparator	0.2, 0.5, 1.0, 2.0, 5.0, 10.0, 15.0, 20.0 ppm S^{2-}	50 (3)	R-4456-01	R1 (1)

Shipping Codes: [NH] Non-Hazardous Material - No Fees; [R1] Small Qty. Hazardous Material - No Fees; [LQ, R2, R3] Hazardous Material - Air Fees Only; [HF] Hazardous Material - Air & Ground Fees.

* [NPDWR] EPA Accepted

† [NPDES] EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Sulfide | Zinc



Order Code	Test System	Range/Sensitivity	# of Tests (# Reagents)	Reagent Refill Order Code	Shipping Code (Weight/Lbs)
SULFIDE ...Continued.					
4630†*	Total, Dissolved & Hydrogen Sulfide, Dropper Pipet	1 drop = 1.0 or 0.1 ppm S^{2-} or H_2S	70 at 10 ppm (8)	R-4630†*	LQ (10)
SULFITE An iodide-iodate titrant oxidizes sulfite to sulfate under acid conditions, until all of the sulfite is reacted. The titrant then reacts with starch to form a blue color signifying the endpoint.					
7175-DR-01	Direct Reading Titrator	0–100 ppm/2 ppm SO_3^{2-}	50 at 100 ppm (3)	R-7175-DR-01	R1 (1)
7175-01	Dropper Pipet	1 drop = 5 ppm SO_3^{2-}	50 at 100 ppm (3)	R-7175-01	R1 (1)
7132-01	Dropper Bottle	1 drop = 2, 5, or 10 ppm SO_3^{2-}	100+ (3)	R-7132-01	R1 (1)
TANNIN/LIGNIN Tungstophosphoric and molybdophosphoric acids are reduced by tannins and lignins to form a blue color.					
7831-01	Octa-Slide 2 Comparator	1, 2, 3, 4, 5, 6, 8, 10 ppm Tannin or lignin like substances	50 (2)	R-7831-01	R1 (1)
TURBIDITY Testing for turbidity in regulated water systems is a critical step in assuring compliance and treatment efficacy. See page 16-17 for instumention.					
ZINC In a solution buffered to pH 9, zincon reacts with zinc to form a blue color.					
7391-02	Octa-Slide 2 Comparator	0, 1, 2, 3, 4, 6, 8, 10 ppm Zn	50 (2)	R-7391-02	NH (1)
7417-02	Octa-Slide 2 Comparator	0, 0.2, 0.4, 0.6, 0.8, 1.0, 1.2, 1.4 ppm Zn	50 (2)	R-7417-02	NH (1)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

* (NPDWR) EPA Accepted

† (NPDES) EPA Accepted · Direct Reading Titrators have a specific range, but may be refilled to test higher concentrations.

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Food & Beverage / Laundry Combination Kits

Dairy Producers, Food Processors, Commercial Launderers

Food Sanitizer Kits For Caustic Soda

Model TK-10, Order Code 8225-01 (Shipping Code R2; 2 lbs.)
Reagent Refill, Order Code 8228-H (Shipping Code R2; 2 lbs.)

This simple, single-reagent dropper pipet kit measures caustic soda for cleaning dairy bottles, cans, storage tanks, etc. Reagents for 50 tests. Kit uses neutralization test method. Dilution step permits measurement of two ranges:

- 0.25%/drop caustic soda by weight
- 0.01%/drop sodium oxide



Food Sanitizer Kits For Caustic Soda

Factor	Order Code	Testing System	Range (# Test)	Shipping Code
Chlorine	4497-01	Iodometric	10 ppm/drop (50)	R2
Chlorinated Cleaner	8226-01	Neutralization	0.01% NaOH/drop (50)	R2

Standard pH Test Papers

pH Range	Order Code
3.0–10.0	2912
0–14	3-2950
4.5–7.5	2953
0–13	2954
1–11	2956
8–12	2959



Sanitizer Test Papers and Strips

Chemically treated paper strips change to indicate sanitizer level. Strips and color chart are packaged in a waterproof plastic vial. 2951 is specifically formulated to read all types of QAC.

Test Papers

Test Factor	Range	# of Tests Per Vial	Order Code
Chlorine	10, 50, 100, 200 ppm	200	4250-BJ
Iodine	12, 25, 50, 100 ppm	200	2948-BJ
QAC	50, 100, 200, 400 ppm	100	2951
High Range QAC	200, 400, 600, 1000, 1500 ppm	50	2951HR

Test Strips

Test Factor	Range	# of Tests Per Vial	Order Code
Peracetic Acid	0, 10, 20, 40, 60, 85, 160	50	3000
Peracetic Acid, Low Range	0, 5, 10, 20, 30, 50	50	3000LR
Peracetic Acid, High Range	0, 50, 100, 250, 500, 1000	50	3000HR
QAC	0, 100, 200, 300, 400, 500 ppm	100	3072-J
High Range Chlorine	0, 50, 100, 250, 500, 800 ppm	50	3031
Dual Range QAC	LR: 0, 10, 20, 40, 80 ppm; HR: 0, 100, 200, 400, 800 ppm	50	2934

Look for additional chlorine, iodine, & QAC kits in the Individual Test Kit section.

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

Laundry Combination Kits

For control of water supplies, cleaning operations, and rinses



Laundry Outfit

Model LDR, Order Code 3095-02 · Shipping Code LQ (5)

Seven important factors for monitoring incoming water supplies, break, suds and bleach operations; also rinse and sour operations. The pH (alkaline) test uses a LaMotte Octet Comparator. The alkalinity tests, chlorine bleach and hardness test utilize dropper pipet test methods. Reagents are supplied for 50 tests of each factor.

Test Factor	Range	Application
pH (Alkaline)	pH 10.0–11.4	Break-suds-bleach solutions
pH (Sour)	pH 1.5–8.5	Sour rinse solutions
Alkalinity (Suds)	100 ppm/drop	Free/total alkalinity in break-suds-bleach solutions
Alkalinity (Rinse)	10 ppm/drop	Total alkalinity in rinses

Test Factor	Range	Application
Chlorine Bleach	0.5%/drop	Available chlorine in bleach solutions
Hardness	10 ppm or 1 gpg/drop	Water Supply
Turbidity	Yes/No (Soil)	Presence of soil in solution
Alkalinity (Rinse)	10 ppm/drop	Total alkalinity in rinses

Also Available...

Order Code	Description	Shipping Code
7196-01	Chlorine 1 drop = 10 ppm; Oxygenated Bleach 1 drop = 10 ppm	R2
3541-01	Spot test for presence/absence of Chlorine and Iron. Wide Range pH	R1
7894-01	High Range–1 dr = 0.5% Cl2; Mid Range–1 dr = 0.05% Cl2; Low Range–1 dr = 0.005% Cl2	R1



Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.

SMART Water Analysis Laboratory

Model SCL-05, Order Code 1951-04 ‡C
(Shipping Code LQ; 37 lbs.)
Reagent Refill, Order Code R-1951-03 ‡C
(Shipping Code LQ; 10 lbs.)

This portable lab measures 24 water quality parameters for pollution detection, environmental studies, and industrial water and wastes. The SMART3 digital colorimeter analyzes test sample color reactions and provides direct readouts for 15 factors. Titration tests performed with LaMotte's Direct Reading Titrators provide results directly in ppm for 6 additional factors. Digital meter measure pH and conductivity.



Colorimeter Tests

Test Factor	Method	Range (# Test)
Ammonia	Nesslerization	0–4.0 ppm (50)
Chlorine	DPD	0–4.0 ppm (100)
Bromine	DPD	0–9 ppm (100)
Iodine	DPD	0–16 ppm (100)
Chromium (Hexavalent)	Diphenylcarbazide	0–1.0 ppm (100)
Copper	Diethyldithiocarbamate	0–6.0 ppm (100)
Fluoride	SPADNS	0–2.0 ppm (50)
Iron	Bipyridyl	0–6.0 ppm (50)
Nitrate	Cadmium Reduction	0–3.0 ppm (20)
Nitrite	Diazotization/Coupling	0–0.8 ppm (20)
Phosphate	Ascorbic Acid Reduction	0–3.0 ppm (50)
Silica	Heteropoly Blue	0–4.0 ppm (50)
Sulfate	Barium Chloride	0–100 ppm (50)
Sulfide	Methylene Blue	0–1.5 ppm (50)
Turbidity	Absorption (No Reagents)	0–400 NTU (¥)

TRACER pH & Conductivity PockeTesters

Test Factor	Range	Resolution	Accuracy
Conductivity:	0 to 199.9 µS, 200 to 1999 µS, 2.00 to 19.99 mS	0.1 µS; 0.01 mS	±2% FS
pH:	0.00 to 14.00 pH	0.01 pH	±0.01 pH

Titration Tests

Test Factor	Method	Range (# Test)
Alkalinity	Neutralization	0–200 ppm; (50 at 200 ppm)
Carbon Dioxide	Neutralization	0–50 ppm; (50 at 50 ppm)
Chloride/Salinity	Argentometric	0–200 ppm; 50 at 200 ppm)
Dissolved Oxygen	Azide Modification of Winkler Method	0–10 ppm; (50 at 10 ppm)
Hardness (Calcium, Magnesium, & Total)	Complexometric	0–200 ppm; (50 at 200 ppm)

Also Available...

Description	Code	Model	Shipping Code
Model SCL-04, SMART Water Analysis Laboratory, without pH & Conductivity Meter	1991-02 ‡C	SCL-04	LQ (34 lbs.)
Reagent Refill	R-1991-02 ‡C		LQ (10 lbs.)

Shipping Codes: (NH) Non-Hazardous Material - No Fees; (R1) Small Qty. Hazardous Material - No Fees; (LQ, R2, R3) Hazardous Material - Air Fees Only; (HF) Hazardous Material - Air & Ground Fees.
‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Industrial Water

Industrial Titration Reagents

Industrial Titration Reagents

Dependable LaMotte reagents are available in a wide variety of sizes. Call Customer Service for assistance.

Test Factor	Order Code	Reagent
Alkalinity	2246	Phenolphthalein
	2786	Total Alkalinity Indicator
	6068	Sulfuric Acid, 0.02N
	6111	Sulfuric Acid, 0.1N
Chloride	4069	Chromate Indicator, 5%
	8848	Silver Nitrate, 0.0282N
	6346	Silver Nitrate, 0.0141N

Test Factor	Order Code	Reagent
Hardness	4259	Ca Buffer (w/ metal inhibitors)
	5250A	Ca Indicator Tablets
	4483	Total Buffer (w/ inhibitor)
	4484A	Total Indicator Tablets
	6261	EDTA, 0.01M
Sulfite	6385	Starch Acid Indicator Powder
	7329	Iodide Iodate, N/40
	6106	Iodide Iodate, N/80
	4556	Iodide Iodate, N/63
	8667	Iodide Iodate, N/126



StormWatch MS4 Water Analysis Kit

Model MS4 · Order Code 7449 (Shipping Code R1; 10 lbs.)

The LaMotte Stormwater MS4 Kit has instrumentation and reagent systems to provide a preliminary screening of stormwater outflow, and to determine whether it is contributing to the overall pollutant load from precipitation events. Meets guidance as set forth by USEPA.



Features

- Fast Most tests can be completed in under 2-minutes
- Easy All meters and tests come with easy-to-follow instructions
- Unique Design All-in-one kit covers your testing needs in one carrying case
- Expandable To over 80 tests

Test Factor	Range
Ammonia	0.05-4.00 ppm
Color	20-1,000 color units
Conductivity	0-19.99 uS/cm
Hardness	1 drop = 10, 25 or 50 ppm
pH	0.00-14.00 pH
Potassium	0.05-10 ppm
TDS	0-999 ppm
Turbidity	3-400 FAU

Expanded range for all factors available by dilution.



StormWatch Drain Monitoring Kit

Model SD · Order Code 7446-01
(Shipping Code LQ; 10 lbs.)

The Model SD Monitoring Kit was specifically designed and manufactured to meet US EPA requirements for field test procedures approved in the Federal Register (Volume 55, No. 217), to monitor illicit storm drain connections. Each unit includes tests for pH, Total Chlorine, Total Copper, Phenols, Detergent Surfactants, and Turbidity. The Model SD is packaged in a rugged portable carrying case for on-site use. Includes diagrammed instructions.

Test Factor	Range	Test Method	Increments
Phenols	0-5.0 ppm	4-Aminoantipyrine Slide	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 4.0, 5.0
Copper	0-4.0 ppm	Thiocarbamate Slide	0.0, 0.25, 0.5, 1.0, 1.5, 2.0, 3.0, 4.0
Detergents	0.1 ppm sensitivity	Titration	——
Total Residual Chlorine	0.2-3.0 ppm	DPD Slide	0.2, 0.4, 0.6, 0.8, 1.0, 1.5, 2.0, 3.0
Turbidity	0 to 500 FTU	Formazin Equivalent	Low, Med, High

Meters	Range
Tracer pH PockeTester	0–14 pH, 0.01 pH

Water Conditioning

Residential & Commercial Water Treatment Specialists

Customize Your Water Quality Sales Demonstrations!

Choose the Softener that Meets Your Needs!



LaMotte Model AT Visual series outfits are the most popular and effective sales tools for on-site demonstrations. The tests clearly demonstrate the benefits between untreated and treated water.

The AT Visual Series features the Octa Slide 2 color comparator



AT-38 with Model S · Code 4-3003-02



AT-40 with DuoSoft · Code 4-3015-01

AT Visual Kit Tests (5 Included)

	Hardness	pH	Iron	Precipitation	Soap Consumption
Range	1 drop = 10 ppm/1 gpg	5.0-10 ppm	0.5-10* ppm	Before/After	Before/After
# of Tests	100	100	100	100	100

* Higher Concentrations by dilution; instructions included.

Optional Add-On Kits and TDS Meter:

- Chlorine (0.2-3.0 ppm), 50 Tests; Order Code 4-3006
- Nitrate (0-15 ppm), 50 Tests; Order Code 4-3004
- TDS Meter, Order Code 1749 (see page 24)

WaterLink® Spin Touch® DW Sales Demonstration Outfit

Featuring the WaterLink® Spin Touch® DW · Order Code 4-3085 · Shipping Code NH (14)

Sales Demonstration Outfit Includes

- WaterLink® Spin Touch® DW photometer (Disks sold separately.)
- Duo-Soft Model Water Softener
- Pump and Connection Tubing
- Soap Consumption Demonstration
- Lockable, Foam-Lined Carrying Case

Optional Add-On Kits

- Precipitation Demonstration (0.2-3.0 ppm) · 50 Tests · Order Code 8124
- TRACER PockeTester TDS/Salinity/Conductivity/Temp · Order Code 1749 (see page 24)

DW SpinDisk® Reagent Cartridges

Disks come individually packaged in foil pouches in boxed packs of 50.

Disk Patent No. 8,734,734;
FCI Patent No. 8,987,000;
TCI Patent No. 8,993,337;
FCI EU Patent No. EP2784503 A1



Treated Water Series DW13

Order Code 4336-H · Shipping Code NH (3)

Test Parameter	Range
Free Chlorine	0-15 ppm
Total Chlorine	0-15 ppm
Combined Chlorine	0-15 ppm
pH	6.4-10.0 pH
Total Hardness	0-70 gpg; 0-1200 ppm
Total Iron	0-6 ppm
Copper	0-6 ppm
Total Alkalinity	0-250 ppm

Well Water Series DW21

Order Code 4337-H · Shipping Code NH (3)

Test Parameter	Range
pH	4.5-8.6 pH
Total Hardness	0-70 gpg; 0-1,200 ppm
Total Iron	0-6 ppm
Ferric Iron	0-6 ppm
Ferrous Iron	0-6 ppm
Copper	0-6 ppm
Nitrate (NO_3)	0-45 ppm
Nitrite (NO_2)	0-2 ppm
Total Alkalinity	0-250 ppm

Demonstration Water Softeners

Generate high-quality softened water in seconds. Clear acrylic column is durable and visually impressive. Flexible intake and outlet hoses have plastic clamps that prevent spillage. Rubber adapter on intake hose attaches to faucet. Available in four different models to suit your demonstration needs.

Model S

Order Code: 1002 · Shipping Code NH (3)

An 8" resin column (10.25" total height) that softens up to 70 gallons of medium hard water (7 gpg hardness) before requiring regeneration or fresh resin. Model S softener is furnished in the Model AT-38 and AT-Q-38 outfits.



DuoSoft

Order Code: 1022 (Empty) · Shipping Code NH (3)
Order Code: 1022-FLD (Filled with Carbon and Resin) · Shipping Code NH (3)
Carbon and Resin Refill · Order Code: R-1022 · Shipping Code NH (2)

The LaMotte twin-chambered softener clearly demonstrates the advantages of advanced two-part treatment systems. Treat tapwater in one pass with a two-chambered softener.

Customize one today to demonstrate the true effectiveness of your treatment system.





Packaged Drinking Water Test Strips

Order Code 4-2936FP-100 · Shipping Code NH (3)

Each LaMotte Drinking Water Test Strip tests 5 important water quality parameters for both municipal and well water sources in only seconds! With a 2-second dip, each strip determines Free Chlorine, Total Chlorine, Total Hardness, pH, and Nitrate. Sold in case of 100 packets! Each plastic packet contains: 2 individually packed test strips, full-color instructions, and color chart.

Test Factor	Range	Increments
Free Chlorine	0–10	0, 0.5, 1, 3, 5, 10 ppm
Total Chlorine	0–10	0, 0.5, 1, 3, 5, 10 ppm
Total Hardness	0–400	0, 50, 100, 200, 400 ppm; 0, 3, 5.8, 11.7, 23 gpg
pH	4–10	4, 5, 6, 7, 8, 9, 10 pH
Nitrate	0–50	0, 5, 10, 25, 50 (NO_3-N) ppm



Water Quality Outfit

Model AR-42 · Order Code 3590-03 · Shipping Code R1 (7 lbs.)

The simplest, most economical way to measure several water quality factors with a single, portable outfit. Ideal for service applications. Easily customized for your particular analytical needs.

Tests for pH, hardness, iron, and sulfide. Includes reagents for 50 tests each for pH, hardness, and sulfide; 100 tests for iron.

Test Factor	Method	Range (# Tests)
pH	Wide Range	pH 5.0–10.0 (50)
Iron	Bipyridyl	0.5–10.0 ppm (100)
Hardness	Titration	1 drop = 10 ppm/1 gpg (50)
Sulfide	Pomeroy	0.2–20.0 ppm (50)

Reagent Refills

How to Use the Refills Section:

The reagent code number is followed by a letter which indicates the container size supplied for that reagent. The following table shows how those letters correspond to container sizes - milliliters for liquids and grams fo powder. When ordering a reagent, please include the appropriate letter suffix with the reagent code number to indicate the container size.

EXAMPLE: To order a 60 mL bottle of Phenol Red Solution (Reagent Code Number 2211), use the letter "-H", and order by code number "2211-H".

NOTE: A reagent is available only in the sizes indicated under the kit's listing in this section.

Suffix		Size in mL	Size in grams
-A	1	1 mL	1 gram
-B	2	2 mL	2 grams
-C	5	5 mL	5 grams
-D	10	10 mL	10 grams
-E	15	15-19 mL	15 grams
-F	20	20-24 mL	20 grams
-G	30	30 mL	30 grams
-H	60	60 mL	60 grams
-J	120	120 mL	120 grams
-K	250	250-285 mL	200-250 grams
-L	500	470-525 mL	450-500 grams
-M	1000	950-1000 mL	---
-N	---	3800 mL	---

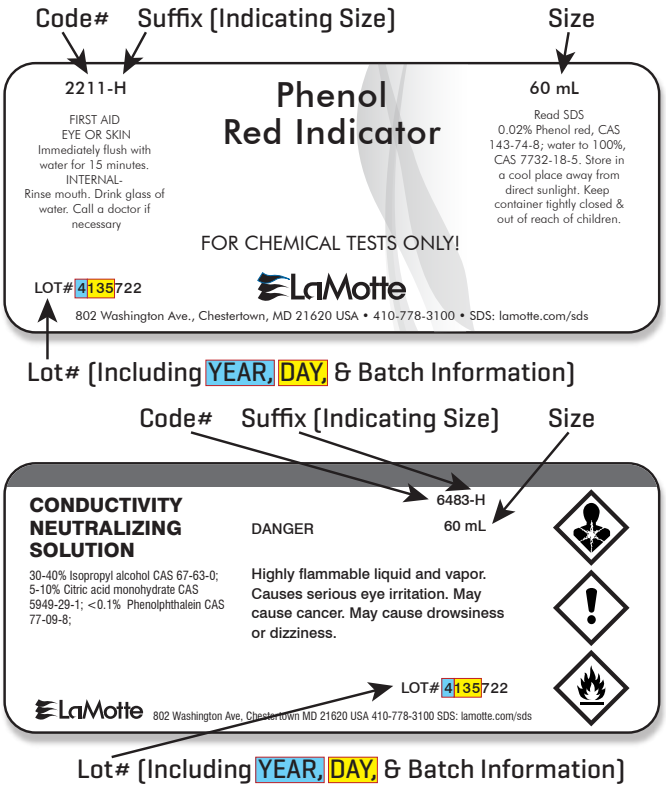
Pre-Suffix	
DR-	Direct Reading Titrator plug insert
DS-	Desiccant capsule insert
PA-	Pipet assembly added
PP-	Push-pull dispenser cap
PS-	Polyseal type cap
PT-	Flip top dispenser cap
WT-	Wheaton Tip dropper tip plug insert

How to Determine Reagent Manufacture and Expiration Dates

On the lower, left corner of the label of each LaMotte reagent is a six (sometimes seven), digit number. This is not a code number, but the lot number of that reagent. A lot number records the date of manufacture and identifies the reagent as part of a specific batch of reagent produced on that date. The first digit of the lot number identifies the year, and the following three digits identifies the julian date (the date the bulk reagent was approved) and the remaining digits are the fill date.

Example: Lot 4135722
4 = 2024
135 = May 14 (the day the reagent was approved)
722 = July 22 (month & day the reagent was poured)

If the shelf-life of your reagent is unknown, one year from the date of manufacture is still a good rule of thumb.



‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Reagent Refills

Kit Code	Reagent #	Description
2109-01	2210-G	Bromthymol Blue Indicator
2111-01	2212-G	Cresol Red Indicator
2112-01	2213-G	Thymol Blue Indicator
3036-DR-02	6410-E	Ferroin Indicator
	6411PS-H	Nitrite DRT Reagent
3037-DR-01	4483-E	Hardness Reagent 5
	4257-H	Hardness Titration Reagent
	6522-E	CM Indicator Reagent
3042-01	6412-H	QAC Titration Solution
	6413-E	QAC Indicator Solution
3043-DR-01	6413-E	QAC Indicator Solution
	6412-H	Titration Reagent
3095-02	6434-H	Hypochlorite Indicator
	7941PS-H	Hypochlorite Reagent C
	2301-G	Nitro Green Indicator
	4483-E	Hardness Reagent 5
	4485-E	Hardness Reagent 6
	4487PS-H	Hardness Reagent 7
	2246-E	Phenolphthalein Indicator
	2230-E	Methyl Orange Indicator
	6130PS-H	Hydrochloric Acid 1N
	6323-H	Hydrochloric Acid 0.1N
	6432-H	Sour Indicator
3114-02	V-6282-G	Phosphate Acid Reagent
	V-6283-C	Phosphate Reducing Reagent
3119-01	V-6278-J	Mixed Acid Reagent
	V-6279-C‡	Nitrate Reducing Reagent
	V-6282-H	Phosphate Acid Reagent
	V-6283-C	Phosphate Reducing Reagent
3121-02	V-6282-G	Phosphate Acid Reagent
	V-6283-C	Phosphate Reducing Reagent
3138-01	6364-C	Tetraphenylboron Powder
	7745-E	Sodium Hydroxide
3176-02	6807-C	DPD 1 Powder
	6905A-H	DPD 3R Tablets
	6815-G	Ferrous Ammonium Sulfate
	6495-E	Control Reagent
3240	6903A-J	DPD 1 Tablets (Instrument Grade)
	6197A-J	DPD 3 Tablets (Instrument Grade)
3240-LI	P-6740-G	DPD 1A Free Chlorine Reagent
	P-6741-G	DPD 1B Free Chlorine Reagent
	P-6743-G	DPD 3 Total Chlorine Reagent
3241	V-4797-G	Ammonia Nitrogen 1 Reagent
	V-4798-G‡	Ammonia Nitrogen 2 Reagent
3242	V-6282-H	Phosphate Acid Reagent
	V-6283-D	Phosphate Reducing Reagent

Kit Code	Reagent #	Description
3243	3875-J	Acid Zirconyl SPADNS Reagent
	4128-H ‡C	Sodium Arsenite Solution
3244	6903A-J	DPD 1 Tablets (Instrument Grade)
	6811-E	Glycine Solution
3245	6446-G	Copper 1
3246	6485-G	Molybdenum Oxidizing Reagent
	3997-H	MO Buffer
	6486-S	Molybdenum Indicator Powder
3247	V-6277-D	Sulfate Reagent
3248	2776-E	Acid Phenanthroline Indicator
	2777-C	Iron Reducing Reagent
3249	3989-G	Indigo Blue Stock Solution
	3990-E	Chlorine Inhibitor
	3991-K	Ozone Buffer
3304-02	3978LWT-H	Salicylate Ammonia #1
	3979WT-G	Salicylate Ammonia #2
	3982WT-G	Salicylate Ammonia #3
3308-01	6999A-H	DPD 1R Tablets
	6905A-H	DPD 3R Tablets
3312-01	6999A-H	DPD 1R Tablets
	6905A-H	DPD 3R Tablets
3314-01	6999A-J	DPD 1R Tablets
	6905A-J	DPD 3R Tablets
3328-01	6999A-H	DPD 1R Tablets
	6905A-H	DPD 3R Tablets
3346-01	3962-H	Molybdate 1 HR Tablets
	3963-H	Molybdate 2 HR Tablets
3347-01	4450-G	Iron Reagent 1
	4451-S	Iron Reagent 2 Powder
	4453-S	Ferrous Iron Reagent
3352-01	V-6278-J	Mixed Acid Reagent
	V-6281-C	Color Developing Reagent
3353-01	2218-G	pH 3 Wide Range Indicator
3354-01	2799A-H	Nitrate 1 Tablets
	NN-3703A-H	Nitrate 2 CTA Tablets
3467-01	3870-E	Alkalinity Indicator 1
	3869-E	Alkalinity Indicator 2
	4493DR-H	Alkalinity Titration Reagent B
3519-01	V-6278-J	Mixed Acid Reagent
	V-6279-C‡	Nitrate Reducing Reagent
	V-6281-C	Color Developing Reagent
3541-01	6381-G	Hydrochloric Acid
	4100-G	Chlorine Reagent O-Tolidine
	5116WT-G	Ferric Iron Test Solution
	9078WT-G	Sour Indicator Solution

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Reagent Refills

Kit Code	Reagent #	Description
3569-01	3943-H	Aluminum 1 Tablets
	3944-H	Aluminum 2 Tablets
3588-02	4255-H	Hardness Buffer Reagent
	3956-G	Manganese Indicator Reagent
	6203-J	Chloroform Reagent
	2785-E	Metal Inhibitor
3609-01	4259-E	Sodium Hydroxide Reagent with Metal Inhibitor
	5250A-H	Calcium Hardness Indicator Tablets
	4487DR-H	Hardness Reagent 7
3615-01	V-6278-K	Mixed Acid Reagent
	V-6279-D‡	Nitrate Reducing Reagent
3619	P-6367-E	Copper A
	P-6368-E	Copper B
3624-01	6807-C	DPD 1 Powder
	6905A-H	DPD 3R Tablets
	3992DR-H	Chlorine/Bromine Titrant
3628-01	7646-G	Molybdenum Buffer
3638-SC	6330-H	Barium Reagent Powder
3639-SC	4004WT-G	Sodium Hydroxide
	6364-C	Tetraphenylboron Powder
3640-SC	T-3808-H	Copper Tablets
3641-01-SC	7865-C	Aluminum Inhibitor
	7866-J	Aluminum Buffer Reagent
	7867-J	Aluminum Indicator Reagent
	7868-E	Aluminum Complexing Reagent
3642-SC	V-4797-G	Ammonia Nitrogen 1 Reagent
	V-4798-G	Ammonia Nitrogen 2 Reagent
3643-SC	6903A-J	DPD 1 Tablets (Instrument Grade)
	6197A-J	DPD 3 Tablets (Instrument Grade)
	6811-E	Glycine Solution
3644-SC	6903A-J	DPD 1 Tablets (Instrument Grade)
	6811-E	Glycine Solution
3645-SC	V-6276-D	Chromium Reagent Powder
3646-SC	6446-E	Copper 1
3647-02-SC	3875-G	Acid Zirconyl SPADNS Reagent
	4128-G ‡C	Sodium Arsenite Solution
3648-SC	V-4450-G	Iron 1 Reagent
	V-4451-C	Iron 2 Reagent Powder
3649-01-SC	V-6278-H	Mixed Acid Reagent
	V-6279-C‡	Nitrate Reducing Reagent
3650-SC	V-6278-H	Mixed Acid Reagent
	V-6281-C	Color Developing Reagent
3651-SC	3989-G	Indigo Blue Solution
	3990-E	Chlorine Inhibitor
	3991-K	Ozone Buffer
3652-01-SC	7825-C	Aminoantipyrine Reagent
	7826-G	Ammonium Hydroxide
	7827-H	Potassium Ferricyanide Solution
3653-SC	V-6282-H	Phosphate Acid Reagent
	V-6283-C	Phosphate Reducing Reagent
3654-02-SC	V-4458-G	Sulfide A Reagent
	V-4459-E	Sulfide B Reagent
	4460-H	Sulfide C Reagent
3655-SC	4410-H	VM Phosphate Reagent
3656-01-SC	4842-D	Hydrazine B Reagent Powder
	4841-H	Hydrazine A Reagent
3658-01-SC	3956-G	Manganese Indicator Reagent
	4255-G	Hardness Buffer Reagent
	6565-E	Sodium Cyanide
3659-02-SC	3978-H	Salicylate Ammonia 1
	7457-D	Salicylate 2 Reagent
	7458-D	Salicylate 3 Reagent Powder
3660-01-SC	6130-E	Hydrochloric Acid
	4004-E	Sodium Hydroxide
	2850PS-H	Cyanide Buffer
	2794DS-C	Cyanide CL Reagent
	2793DS-C	Cyanide Indicator Reagent
3661-01-SC	4856-K	Cyanuric Acid Reagent
3662-SC	6452-G	Hydrogen Peroxide 1 Reagent
	6454A	Hydrogen Peroxide Low Range Tablets
3663-01-SC	6251PS-H	Hydrochloric Acid
	6253-K	Sodium Citrate
	6254-H	Dimethylglyoxime
	6537-H	Ammonium Hydroxide
	6566-G	Ammonium Persulfate Reagent
	6346WT-G	Silver Nitrate
3664-SC	V-4466-G	Silica 1 Reagent
	V-4467-G	Silica 2 Reagent
	V-4468-G	Silica 3 Reagent
	V-6284-D	Silica 4 Reagent
3665-SC	V-6277-D	Sulfate Reagent
3666-01-SC	7833-G	Tannin 1 Reagent
	7834-H	Tannin 2 Reagent

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Reagent Refills

Kit Code	Reagent #	Description
3667-01-SC	6314-G	Zinc Indicator Solution
	6315-G	Zinc Buffer Powder
	6565-E‡	Sodium Cyanide
	6316-D	Sodium Ascorbate Powder
	5128-G	Formaldehyde Solution
	6319-J	Methyl Alcohol
3668-SC	2776-E	Acid Phenanthroline Indicator
	2777-C	Iron Reducing Reagent
3669-SC	6310-D	Manganese Buffer Reagent
	6311-E	Manganese Periodate Reagent
3670-SC	3882A	Alkalinity TesTabs (Instrument Grade)
3671-SC	3883A	Calcium Hardness Tablets
3672-SC	3880A	pH Phenol Red Tablets
3673-SC	6996A	Cyanuric Acid Tablets
3687-SC	V-4466-G	Silica 1 Reagent
	V-4467-G	Silica 2 Reagent
	4468-E	Silica 3 Reagent
3688-SC	4167-G	Manganous Sulfate Solution
	7166-G	Alkaline Potassium Iodide-Azide Reagent
	6141WT-G	Sulfuric Acid
3689-SC	3881A-H	Nitrate Spectrophotometric
3693-SC	3885A	Chloride Tablets (Instrument Grade)
3698-SC	7681-H	Sulfuric Acid
	V-6276-D	Chromium Reagent
	7683-E	Sodium Azide
	7682-G	Potassium Permanganate
	5115PT-H	Deionized Water
3699-03-SC	3997-G	MO Buffer
	6485-G	Molybdenum Oxidizing Reagent
	6486-S	Molybdenum Indicator Powder
3700-01-SC	V-2209-H	Chlorphenol Red Indicator (Instrument Grade)
	V-2304-H	Phenol Red (Instrument Grade)
	V-2213-H	Thymol Blue Indicator (Instrument Grade)
4-3003-02	4450-G	Iron 1 Reagent
	4451-S	Iron 2 Reagent Powder
	2218-G	pH 3 Wide Range Indicator
	4767-H	Soap 4 Reagent
	4542-H	Precipitation A Reagent
	4543-H	Precipitation B Reagent
	4483WT-H	Hardness Reagent 5
	4484-J	Hardness Reagent 6
	4487WT-H	Hardness Reagent 7

Kit Code	Reagent #	Description
4-3004-01	2799A-H	Nitrate #1 Tablets
	NN-3703A-H	Nitrate #2 CTA Tablets
4-3006-01	6905A	DPD 3R Tablets
	6999A	DPD 1R Tablets
4-3015-01	4483WT-H	Hardness Reagent 5
4-8776-01	4133-J	DSP Reagent
	4135-J	Borate Buffer
	4134-J	PSSA Reagent
	4170WT-G	Starch Indicator Solution
	6377-H	Iodine Solution
	3843-E	Zinc Acetate
4017-01	4020-H	Buffered Ammonia Reagent
	4021-G	PAN Indicator
	4022-G	Stabilizing Reagent
	6253-E	Sodium Citrate
4023	P-6368-E	Copper B
	P-6367-E	Copper A
4031-01	4032-K	Ammonia Chloride Buffer
	6565-E ‡B	Sodium Cyanide
	4033-G	PAR Indicator
	4022-G	Stabilizing Reagent
4044	3994-H	Biguanide Indicator
4045-01	6452-G	Hydrogen Peroxide
	6454A-J	Hydrogen Peroxide Low Range Tablets
4401-02	4410-G	VM Phosphate Reagent
4408-01	6405-G	Reducing Reagent
	4410-H	VM Phosphate Reagent
4447-01	4450-G	Iron 1 Reagent
	4451-S	Iron 2 Reagent Powder
4456-01	4458-G	Sulfide A Reagent
	4459-E	Sulfide B Reagent
	4460-H	Sulfide C Reagent
4463-01	4571-G	Silica 1 Reagent
	4467-E	Silica 2 Reagent
	4468-E	Silica 3 Reagent
	6405-C	Reducing Reagent
4482-DR-LI-01	4483-E	Hardness Reagent 5
	4485-E	Hardness Reagent 6
	4487DR-H	Hardness Reagent 7
4482-DR-LT-01	4483-E	Hardness Reagent 5
	4484-J	Hardness Reagent 6
	4487DR-H	Hardness Reagent 7
4482-LI-02	4483-E	Hardness Reagent 5
	4485-E	Hardness Reagent 6
	4487WT-H	Hardness Reagent 7
4491-DR-01	2311A-H	BCG-MR Indicator
	4493DR-H	Alkalinity Titration B Reagent

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Reagent Refills

Kit Code	Reagent #	Description
4497-01	4498WT-H	Chlorine 1 Reagent
	4499WT-H	Chlorine 2 Reagent
	4500PA-H	Chlorine 3 Reagent
4497-DR-01	4498WT-H	Chlorine 1 Reagent
	4499WT-H	Chlorine 2 Reagent
	4500DR-H	Chlorine 3 Reagent
4501-01	4498-E	Chlorine 1 Reagent
	4499-E	Chlorine 2 Reagent
	3819-H	Sodium Thiosulfate
4503-DR-02	4504-E	Chloride 1 Reagent
	2246-E	Phenolphthalein Indicator
	6090-E	Sulfuric Acid
	4505DR-G	Chloride 2 Reagent
4507-02	4508-G ‡R	DS Indicator
	4509-H	pH Adjustment Powder
	4513-E	DS Reference Solution
4533-DR-01	2248A-J	Phenolphthalein Tablets
	2311-J	BCG-MR Indicator
	4493DR-H	Alkalinity Titration Reagent B
4630	4633-H	Sulfide Test 1 Solution
	4634-H	Sulfide Test 2 Solution
	4635-H	Sulfide Test 3 Solution
	4636-H	Sulfide Test 4 Solution
	4636-J	Sulfide Test 4 Solution
	4637-S	Sulfide Test 5 Solution
	4638-S	Sulfide Test 6 Solution
	4639-H	Sulfide Test 7 Solution
	4640-H	Sulfide Test 8 Solution
4790-01	4791-E	DEHA 1 Reagent
	4792-E	DEHA 2 Reagent
	4793-E	DEHA 3 Reagent
4795-01	4797WT-G	Ammonia Nitrogen 1 Reagent
	4798WT-G ‡R	Ammonia Nitrogen 2 Reagent
4824-DR-LT-01	4259-E	Sodium Hydroxide Reagent with Metal Inhibitor
	T-5250-H	Calcium Hardness Indicator Tablets
	4483-E	Hardness Reagent 5
	4484-J	Hardness Reagent 6
	4487DR-H	Hardness Reagent 7
4824-LT-02	4483-E	Hardness Reagent 5
	4484-J	Hardness Reagent 6
	4487WT-H	Hardness Reagent 7
	4259-E	Sodium Hydroxide Reagent with Metal Inhibitor
	T-5250-H	Calcium Hardness Indicator Tablets

Kit Code	Reagent #	Description
4851-01	4852-H	Cobalt Buffer
	4853-H	Cobalt Indicator Reagent
	4854-G	Stabilizer Solution
4857	4791-E	DEHA Reagent 1
	4792-E	DEHA Reagent 2
	4793-E	DEHA Reagent 3
4859	P-6740-G	DPD 1A Free Chlorine Reagent
	P-6741-G	DPD 1B Free Chlorine Reagent
	P-6743-G	DPD 3 Total Chlorine Reagent
4868-01	4869-J	Boron Buffer
	4870-D	Boron Indicator Powder
4876-01	4508-H ‡R	DS Indicator
	4509-H	pH Adjustment Powder
	4877-D	Sodium Chloride
4881-01	6811-E	Glycine Solution
	P-6740-G	DPD 1A Free Chlorine Reagent
	P-6741-G	DPD 1B Free Chlorine Reagent
	P-6743-G	DPD 3 Total Chlorine Reagent
5858-01	2218-G	pH 3 Wide Range Indicator
5860-01	4167-G	Manganous Sulfate Solution
	4169-H	Sodium Thiosulfate
	4170-H	Starch Indicator Solution
	6141WT-G	Sulfuric Acid
	7166-G	Alkaline Potassium Iodide-Azide Reagent
5864-01	3968A-H	Ammonia #1 Tablets
	3969A-H	Ammonia #2 Tablets
6628-01	6630-D	Molybdenum Reagent
	6381-G	Hydrochloric Acid
6980-01	6999A	DPD 1R Tablets
	6904A	DPD 2R Tablets
	6905A	DPD 3R Tablets
	6899A	DPD 4R Tablets
	6915A	pH Phenol Red Tablets
7056-01	7125-H	Polyquat Titrating Solution
	2258-E	Phenolphthalein Indicator
	6090-E	Sulfuric Acid
	3995-G	Toluidine Blue O Indicator
	7117-H	EDTA Solution
7057-01	3996-H	Quat Titrating Solution
	3995-G	Toluidine Blue O Indicator
	7117-H	EDTA Solution
	2258-E	Phenolphthalein Indicator
	6090-E	Sulfuric Acid
7101-01	7102-G	Nitrite 1 Reagent Powder
	7103PS-H	Nitrite 2 Reagent
7101-DR-01	7102-G	Nitrite 1 Reagent Powder
	7103DR-H	Nitrite 2 Reagent

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Reagent Refills

Kit Code	Reagent #	Description
7104	6565-E ‡B	Sodium Cyanide
7105-03	7939PS-G	Hypochlorite A Reagent
	2790-H	Hypochlorite D
	6809-D	Potassium Iodide Crystals
7132-01	2258-E	Phenolphthalein Indicator
	6385-D	Starch Acid Indicator Powder
	2779WT-H	Iodide Iodate
7138-DB-01	6809-D	Potassium Iodide Crystals
	4170WT-G	Starch Indicator Solution
	7139-H	Peroxide Titrant
	7140-H	Acidified Catalyst
7143-01	2780-D	T.C. Indicator
	6025-H	Hydrochloric Acid
	2781WT-H	T.C. Titrant
7150-01	6809-D	Potassium Iodide Crystals
	4170WT-G	Starch Indicator Solution
	7456WT-H	Peroxide Titrant
	7140-H	Acidified Catalyst
7171-02	4483WT-G	Hardness Reagent 5
	4485-G	Hardness Reagent 6
	2783WT-H	Hardness Reagent 10
7172-02	6091WT-G	Hydrogen Peroxide
	4069WT-G	Chloride A Reagent
	6090WT-G	Sulfuric Acid
	2258-E	Phenolphthalein Indicator
	3824WT-G	Silver Nitrate
7175-01	7327-E	Sulfite A Reagent
	7328-E	Sulfite B Reagent
	7329PS-H	Sulfite C Reagent
7175-DR-01	7327-E	Sulfite A Reagent
	7328-E	Sulfite B Reagent
	7329DR-H	Sulfite C Reagent
7181-01	5649WT-G	Hydrochloric Acid
	2258-E	Phenolphthalein Indicator
	6117-G	Barium Chloride Solution
7182-01	5648-G	Sodium Hydroxide
	2258-E	Phenolphthalein Indicator
7183-02	6410-E	Ferroin Indicator
	2789WT-G	Can Solution
7191-02	6141WT-G	Sulfuric Acid
	6410-E	Ferroin Indicator
	5650LWT-G	Hydrogen Peroxide
	6521-G	Potassium Iodide
	S-6155-H	Peracetic Acid Titrant
7196-01	6434WT-G	Hypochlorite Indicator
	4500WT-H	Chlorine 3 Reagent
	6452-G	Hydrogen Peroxide 1 Reagent

Kit Code	Reagent #	Description
7240-02	2258-E	Phenolphthalein Indicator
	2786-E	Total Alkalinity Indicator
	7748WT-G	Sulfuric Acid
7246-02	2788WT-G	Hardness Reagent 2
	4483WT-G	Hardness Reagent 5
	4485-G	Hardness Reagent 6
7253-01	7254-E	Iodine 1 Reagent
	7255-E	Iodine 2 Reagent
	6406PS-H	Iodine 3 Reagent
7253-DR-01	7254-E	Iodine 1 Reagent
	7255-E	Iodine 2 Reagent
	6406DR-H	Iodine 3 Reagent
7297-DR-01	2246-E	Phenolphthalein Indicator
	4253DR-H	Carbon Dioxide B
7387-02	6130-E	Hydrochloric Acid
	4004-E	Sodium Hydroxide
	2850PS-H	Cyanide Buffer
	2794DS-C	Cyanide CL Reagent
	2793DS-C	Cyanide Indicator Reagent
	2955	pH Test Paper
7391-02	7393-G	Zinc Reagent
	7361-E	Zinc Conditioning Reagent
7417-02	7393-G	Zinc Reagent
	7361-E	Zinc Conditioning Reagent
7446-01	6446-G	Copper 1
	6899-J	DPD 4R Tablets
	7825-D	Aminoantipyrine Reagent
	7826-H	Ammonium Hydroxide Solution
	7827-J	Potassium Ferricyanide Solution
	7444-H	Detergent 1 Reagent
	6037-J	Detergent 2 Reagent
	7445-J	Detergent 3 Reagent
7449	3983A	pH 4.0 Buffer Tablets
	3984A	pH 7.0 Buffer Tablets
	3985A	pH 10.0 Buffer Tablets
	6317-G	Conductivity Standard
	4483-E	Hardness Reagent 5
	4487DR-H	Hardness Reagent 7
	V-4797-G	Ammonia Nitrogen 1 Reagent
	V-4798-G‡	Ammonia Nitrogen 2 Reagent
	4004WT-G	Sodium Hydroxide
	6364-C	Tetraphenylboron Powder
	6312-G	Conductivity Standard
	6354-G	Conductivity Standard
	4484A-H	Hardness Reagent 6 Tablets

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Reagent Refills

Kit Code	Reagent #	Description
7459-02	7460-E ‡B	Salinity A Reagent
	7461DR-G	Salinity B Reagent
7514-01	6807-C	DPD 1 Powder
	6905A-H	DPD 3R Tablets
	3992WT-H	Chlorine/Bromine Titrant
7516-DR-02	5115PT-H	Deionized Water
	6073-G	Barium Chloride Powder
	2246-E	Phenolphthalein Indicator
	6251DR-G	Hydrochloric Acid
7530-DR-01	6130-E	Hydrochloric Acid
	6155-E	Sodium Thiosulfate
	6165-D	Xylenol Orange Powder
	6158PS-H	Thorium Nitrate
	3929-E	Fluoride Inhibitor
7530-WT-01	6130-E	Hydrochloric Acid
	6155-E	Sodium Thiosulfate
	6165-D	Xylenol Orange Powder
	6158WT-H	Thorium Nitrate
	3929-E	Fluoride Inhibitor
7625-01	6155-E	Sodium Thiosulfate
	6323-E	Hydrochloric Acid
	3964-E	Chrome Azurol S Indicator
	3965-H	Thorium Nitrate
	6130-E	Hydrochloric Acid
7625-DR-01	6155-E	Sodium Thiosulfate
	6323-E	Hydrochloric Acid
	3965-H	Thorium Nitrate
	6130-E	Hydrochloric Acid
	3964-E	Chrome Azurol S Indicator
7778-01	6456-H	Sulfate Turbidity Tablet
7787-01	4450-G	Iron 1 Reagent
	4451-S	Iron 2 Reagent Powder
7831-01	7833-E	Tannin 1 Reagent
	7834-H	Tannin 2 Reagent
7894-01	7939PS-G	Hypochlorite A Reagent
	7940-G	Hypochlorite B Reagent
	7941PS-H	Hypochlorite C Reagent
8124	4543WT-H	Precipitation B Reagent
	4542WT-H	Precipitation A Reagent
8225-01	8228-H	TK-10 Reagent
8226-01	8230PA-H	Chlorinated Cleaner 1
	8233PA-H	Chlorinated Cleaner 2
	8234PA-H	Chlorinated Cleaner 3

‡ Prop 65: C: ⚠ WARNING Cancer - www.P65Warnings.ca.gov/product; R: ⚠ WARNING Reproductive Harm - www.P65Warnings.ca.gov/product; B: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov/product

Primary Standards

LaMotte has a large variety of standards available to be used in many applications.

Primary Standards	Concentration	Order Code	Quantity (mL)	Shelf Life
Ammonia Nitrogen	100 ppm	3871-H	60	2 yrs.
Chlorine	250 ppm	6973-H	60	6 mo.
Chlorine	250 ppm	6973-L	475	6 mo.
Chlorine Equivalent	1000 ppm	3858-H	60	6 mo.
Color	500 cu	6058-H	60	3 yrs.
Conductivity/TDS	84 µS/59 ppm	6312-L	500	1.5 yrs.
Conductivity/TDS	74 µS/52 ppm	6416-L	500	3 yrs.
Conductivity/TDS	718 µS/ 503 ppm	6417-J	120	1.5 yrs.
Conductivity/TDS	718 µS/ 503 ppm	6417-L	500	1.5 yrs.
Conductivity/TDS	718 µS/ 503 ppm	6417-N	3800	1.5 yrs.
Conductivity/TDS	1413 µS/ 989 ppm	6354-J	120	1.5 yrs.
Conductivity/TDS	1413 µS/ 989 ppm	6354-L	500	1.5 yrs.
Conductivity/TDS	1413 µS/ 989 ppm	6354-N	3800	1.5 yrs.
Conductivity/TDS	6668 µS/ 4668 ppm	6418-J	100	1.5 yrs.
Conductivity/TDS	6668 µS/ 4668 ppm	6418-L	500	1.5 yrs.
Conductivity/TDS	12880 µS/ 9016 ppm	6317-G	30	1.5 yrs.
Conductivity/TDS	12880 µS/ 9016 ppm	6317-J	120	1.5 yrs.
Conductivity/TDS	12880 µS/ 9016 ppm	6317-L	500	1.5 yrs.
Conductivity/TDS	58640 µS/ 41048 ppm	6419-L	500	1.5 yrs.
Copper	100 ppm	6181-L	475	2 yrs.
Fluoride	1000 ppm	4154-H	60	1 yr.
Fluoride	1000 ppm	4154-L	500	1 yr.
Fluoride	1 ppm	2798-M	1000	2 yrs.
Ferric Iron	200 ppm	3860-H	60	1.5 yrs.
Nitrate Nitrogen	1000 ppm	5392-H	60	2 yrs.
pH	2.0	2856-L	500	1.5 yrs.
pH Buffer Tablets	4.0	3983A-H	50 Tabs	3 yrs.
pH Buffer Tablets	4.0	3983A-J	100 Tabs	3 yrs.
pH	4.01	2866-J	120	1.5 yrs.
pH	4.01	2866-L	500	1.5 yrs.
pH Color Coded Red	4.01	3771-L	500	1.5 yrs.
pH	6.86	2808-L	500	1.5 yrs.

Primary Standards	Concentration	Order Code	Quantity (mL)	Shelf Life
pH Buffer Tablets	7.0	3984A-H	50 Tabs	3 yrs.
pH Buffer Tablets	7.0	3984A-J	100 Tabs	3 yrs.
pH	7.00	2881-H	60	1.5 yrs.
pH	7.00	2881-J	120	1.5 yrs.
pH	7.00	2881-L	500	1.5 yrs.
pH	7.00	2881-N	3800	1.5 yrs.
pH Color Coded Yellow	7.00	3772-L	500	1.5 yrs.
pH	8.0	2886-L	500	1.5 yrs.
pH	9.0	2891-L	500	1.5 yrs.
pH	9.18	2809-L	500	1.5 yrs.
pH Buffer Tablets	10.0	3985A-H	50 Tabs	3 yrs.
pH Buffer Tablets	10.0	3985A-J	100 Tabs	3 yrs.
pH	10.0	2896-J	120	1.5 yrs.
pH	10.0	2896-L	500	1.5 yrs.
pH Color Coded Blue	10.0	3773-L	500	1.5 yrs.
pH	11.0	2897-L	500	1.5 yrs.
pH	12.0	2898-L	500	1.5 yrs.
Phosphate PO4	3080 ppm	5393-H	60	2 yrs.
Phosphate PO4	3080 ppm	5393-L	475	2 yrs.
Phosphorus (Total)	1000 ppm	5393-H	60	2 yrs.
Phosphorus (Total)	1000 ppm	5393-L	475	2 yrs.
Sulfate	2000 ppm	7120-H	60	2 yrs.
Turbidity 2020we	0 NTU	1480	60	1 yr.
Turbidity 2020we	1 NTU	1450	60	1 yr.
Turbidity 2020t	1 NTU	1441	60	1 yr.
Turbidity 2020t	10 NTU	1442	60	1 yr.
Turbidity 2020t	100 NTU	1443	60	1 yr.
Turbidity 2020t	280 NTU	1444	60	1 yr.
Turbidity 2020i	1 NTU	1446	60	1 yr.
Turbidity 2020i	10	1447	60	1 yr.
Turbidity 2020we	10 NTU	1451	60	1 yr.
Turbidity 2020we	100 NTU	1452	60	1 yr.
Turbidity 2020wi	0 NTU	1480	60	1 yr.
Turbidity 2020wi	1 NTU	1453	60	1 yr.
Turbidity 2020wi	10 NTU	1454	60	1 yr.
Turbidity 2020wi	100 NTU	1455	60	1 yr.
Zinc	100 ppm	5394-L	475	2 yrs.

Index

A

Absorbance Colorimeter **19**
Acidity
Individual Test Kits.....34, 49
Alkalinity
Individual Test Kits..... 34
Test Strips..... 30
TesTabs 20
Aluminum
Individual Test Kits..... 34
SMART Reagent System 14
AMCO Turbidity Standards 17
Ammonia Nitrogen
Colorimeter Kit, 1500..... 19
Individual Test Kits.....34-35
SMART Reagent System 14
Test Strips..... 30

B

BART Biodetectors..... **33**
Bleach
Individual Test Kits.....35, 38
Boron
SMART Reagent System 14
Bromine
Individual Test Kits..... 35
SMART Reagent System 14
Buffers
pH, Standardized..... 28
Color Coded Solutions 28
Buret Reagents..... 52

C

Cadmium
SMART Reagent System 14
Calcium Hardness
See Hardness
Carbon Dioxide
Individual Test Kits..... 35
Carbohydrazide
SMART Reagent System 14
Caustic
Individual Test Kits.....35, 49
Chelant
Individual Test Kits..... 35
Chloride
Buret Reagents..... 52
Individual Test Kits..... 36
SMART Reagent System 14
Chlorine
Colorimeter Kit, Liquid, 1500.... 18, 36
Colorimeter Kit, Tablet, 1500.... 18, 36
Individual Test Kits..... 36-37
Secondary Standards Kit 20
Primary Standards 20
Reagents..... 14, 20
SMART Reagent System 14
Tracer..... 22
Test Papers 31, 37-38
Test Strips..... 30, 37-38
Test Tablets for TRACER..... 22
Chlorine Dioxide
Colorimeter Kit, 1500..... 18-19
Individual Test Kits..... 38
SMART Reagent System 14
Test Strips..... 30
Chromium
SMART Reagent System 14
Cobalt
SMART Reagent Systems..... 14
COD
Adapter for SMART Colorimeter 13
Heater Blocks 21
SMART Reagent System 14
Reagents..... 21
Coliform
Individual Test Kit..... 32
Color
SMART Reagent System 14
Colorimeter
Single Test 18-19
Single Test Accessories..... 18-19
Single Wavelength Absorbance 19
SMART3 Colorimeter.....12-13
ColorQ Colorimeter 26-27
Colorimeter Series, DC1500..... 18-19
Colorimetric Test Method 6
Conductivity
PockeTesters..... 24-25
Standards..... 28
TRACER Meter.....24-25
Copper
Colorimeter Kit, DC1500 18-19
Individual Test Kits..... 38
SMART Reagent System 14
Test Strips 30-31
Cyanide
Individual Test Kit..... 38
SMART Reagent System 14
Cyanuric Acid
SMART Reagent System 14

D

DC1500
Colorimeter Series..... 18-19
DEHA
Individual Test Kits..... 38
SMART Reagent System 14
Detergents
Individual Test Kits..... 39
Direct Reading Titrator
Test Methods.....7
Dissolved Oxygen
See Oxygen
Duo-Soft **54-55**
DPD Reagents
Liquids..... 20
SMART Reagent System 14-15
TesTabs 20
Drinking Water
WaterLink Spin Touch DW..... 8-9
Dropper Bottle
Test Methods.....7
Dropper Pipet
Test Methods.....7

E

Electrode Soaker Bottle..... **28**
Electrodes for PockeTesters **22-25**
Erythorbic Acid
SMART Reagent System 14

F

Fish Farming
WaterLink Spin Touch FX.....10-11
Fluoride
Colorimeter Kit, DC1500 ..... 19, 39
SMART Reagent System 14
Food Sanitizer Kits..... 49

G

General Water Analysis
Combination Outfit 51

H

Hardness
Buret Reagents..... 52
Individual Test Kits.....39-40
Test Strips.....30-31
Hydrazine
SMART Reagent System 14

Hydrogen Peroxide
Individual Test Kits 40
SMART Reagent System 14
Test Strips 30
Hydroquinone
SMART Reagent System 15

I

International Sales 5
Iodine
Individual Test Kits 40
SMART Reagent System 15
Test Papers 31, 49
Ion Specific Electrode
TRACER Meter 22-25
Individual Test Kits
By Test Factor 34-48
Industrial Titration Reagents 52
Industrial Water
Combination Outfits 49-55
Insta-Test Strips 29-31, 49
Instrumentation 8-28
Iron
Colorimeter Kit, DC1500 19
Individual Test Kits 41
SMART Reagent System 15

L

Laundry Kits
Combination Outfits 50
Laundry Spot Tests 50
Lead
SMART Reagent System 15
Lead Screening
Test Strips 30

M

Manganese
Individual Test Kits 41
SMART Reagent System 15
Mercury
SMART Reagent System 14, 21
Methylethylketoxime
SMART Reagent System 15
Microbiological Tests 32-33
Molybdate/Molybdenum
Colorimeter Kit, DC1500 19
SMART Reagent System 15

N

Nickel
SMART Reagent System 15
Nitrate Nitrogen
Individual Test Kits 42
SMART Reagent System 15
Test Strips 31
Nitrite Nitrogen
Individual Test Kits 42
SMART Reagent System 15
Test Strips 31
Nitrite, Sodium
Individual Test Kits 43

O

ORP TRACER 22-24
Oxygen, Dissolved
Individual Test Kit 43
SMART Reagent System 15
TRACER Meter 25
Oxygen Scavenger
SMART Reagent Systems 15
Ozone
Individual Test Kit 43
SMART Reagent System 15
Colorimeter Kit, DC1500 19

P

Peracetic Acid
Individual Test Kit 43
Test Strips 30, 44, 49
Peroxide
See Hydrogen Peroxide
pH
Buffers 28
Individual Test Kits 45
Electrode Soaker Bottle 28
Meters 22, 23, 25
SMART Reagent System 15
Test Papers 44, 49
Test Strips 30, 31
TRACER PockeTesters 22, 23, 25
pH/Conductivity
Tracer Meter 24. 25
Phenol
SMART Reagent System 15
Phosphate
Colorimeter Kit, DC1500 19
Individual Test Kits 44, 46
SMART Reagent System 15
Phosphonate
Individual Test Kits 46
PockeTesters 22-25
Electrodes 22-25
Polyquat
Individual Test Kit 46
Potassium
Individual Test Kit 46
SMART Reagent System 15

Q

QAC
Individual Test Kits 47
Test Papers 30, 31, 49
Test Strips 30, 31, 49

R

Reagent Refills 56-62

S

Salinity
Individual Test Kit 47
Salt Water TRACER PockeTesters . 24, 25
Salt Water Test Strips 31
Silica
Individual Test Kits 47
SMART Reagent System 15
SMART3 Colorimeter
Accessories 13
Meter 12, 13
SMART Reagent Systems 14-15
Water Analysis Lab 51
Sodium Chloride
Test Strips 30
Sodium Nitrite
See Nitrite
Softeners
Softeners 54-55
Softener Sales Demo Kits 54-55
SpinDisk
Drinking Water Spin Disks 9
Fish Farming Water Spin Disks 11
Water Conditioning Demonstration Kit Spin Disks 54
Standards
Chlorine 20
Primary Standards Listing 63
Turbidity 16, 17
TDS/Conductivity 24, 25, 28
Stormwater
StormWatch Kits 53

Index

Sulfate
Colorimeter Kit, DC1500 19
Individual Test Kits..... 47
SMART Reagent System 15
Sulfide
Individual Test Kits..... 47
SMART Reagent System 15
Sulfite
Buret Reagents..... 52
Individual Test Kits..... 48
Surfactants
SMART Reagent System 15

T

Tannin
Individual Test Kit..... 48
SMART Reagent System 15
Temperature
TRACER PockeTesters 22-25
Test Papers
pH, Chlorine, Iodine, QAC . 31, 44, 46, 49
Test Strips
Alkalinity 30
Ammonia 30
Chlorine 30, 31, 49
Hardness.....30, 31
pH 30, 31
Hydrogen Peroxide 30
Multi-factor 31, 49
Single Factor 30, 49
Sodium Chloride..... 30
TesTabs..... 20
Titrimetric
Test Methods.....7
Tolyltriazole
SMART Reagent System 15
Total Dissolved Solids (TDS)
TRACER PockeTesters 24, 25
Standards.....24, 25, 28, 63
TRACER PockeTesters
TRACER PockeTesters Series.....22-25
Accessories 24, 25
Chlorine, pH, ORP.....22, 23
Dissolved Oxygen..... 25
pH/Conductivity 24, 25
TDS/Salt 24, 25
Turbidity
Test Methods.....7
Turbidity Accessories 17
Turbidity Standards.....17, 63
Turbidity Meters
2020t..... 16-17
2020i 16-17

W

Wastewater Lab 51
Water & Wastewater..... 53
Water Conditioning
Combination Outfits 54-55
WaterLink Spin Touch DW..... 8-9
WaterLink Spin Touch FX.....10-11
Wide Range pH 31, 45, 50

Z

Zinc
Individual Test Kits..... 48
SMART Reagent System 15

ORDER FORM

To Order

Email: csr@lamotte.com **Phone:** +1 800-344-3100

Billing Information

Name _____
Title _____
Company _____
Mailing Address _____
City _____
State/Zip _____
Phone _____
Account # _____

Shipping to Information

Name _____
Title _____
Company _____
Street Address _____
City _____
State/Zip _____
Phone _____
Ship Via _____

Special Instructions: _____

Payment Method

- ◯ MasterCard
- ◯ VISA
- ◯ American Express

Credit Card Account #			
Expiration Date		CVV/CVC	
Purchase Order #			
Name as it appears on card			

Order

Please include the **product code number** for each item ordered to ensure your order is correctly processed. Prices are f.o.b., Chestertown, Maryland. Prices are subject to change without prior notice. See Flat Rate Shipping Fees.

Quantity	Code	Model/Description	Unit Price	Extended Price
			Net Total	
			Shipping Fees	
			Sales Tax, If Applicable	
			Invoice Total	

SHIPPING INFORMATION:

Unless a carrier account is provided by the customer, all orders are shipped freight prepaid via standard ground service from LaMotte's facilities to destinations within the continental United States. The Flat Rate Ground Shipping Fee corresponding to the pre-tax order total will be applied to the invoice for the initial shipment from an order. A Flat Rate Ground Shipping Fee, based on the pre-tax order total, will be applied to the invoice for the initial shipment if no carrier account is provided.

Shipment Value (Order Total)	Flat Rate Ground Shipping & Handling Fee
Under $300	$25 plus $50*
$250 to $1000	$100

Shipment Value (Order Total)	Flat Rate Ground Shipping & Handling Fee
$1000 to $2000	$120
$2000 to $6000	$145

Shipment Value (Order Total)	Flat Rate Ground Shipping & Handling Fee
$6000 to $10,000	$195
$10,000 and up	Contact Customer Service for Quote

*A $50 handling fee applies to all orders under $300 (pre-tax), even if a carrier account is provided.

Orders delivering to Alaska, Hawaii and Puerto Rico: If a carrier account is not provided by the customer, actual shipping charges will be prepaid by LaMotte and added to the order invoice.

Expedited shipping: If a carrier account is not provided by the customer, actual shipping charges will be prepaid by LaMotte and added to the order invoice. Please specify the level of expedited service required and request a freight quote from our Customer Service Department when the order is placed.

Credit Card Payment: For payment by credit card, we impose a surcharge of 3% on the total transaction amount, which is not greater than our cost of acceptance. The surcharge is nonrefundable, and we do not surcharge debit cards.



COURTEOUS SERVICE and an interest in every customer's satisfaction have given LaMotte Company a reputation of distinction in the chemical testing field. Please give us the opportunity to meet your chemical testing requirements today.

LaMotte®

PHONE	1-800-344-3100 + 1 410-778-3100
FAX	+ 1 410-778-6394
WEBSITE	lamotte.com lamotte.com/contact-us
MAIL	PO Box 329 802 Washington Avenue Chestertown, Maryland 21620 USA
EASY PAYMENT	Order with a purchase order or use VISA, American Express, MasterCard or enclose payment with purchase order if you don't have an account. To open a new account, please provide credit references.

© 2026 LaMotte Company, All Rights Reserved | Code 1653-A4 | 08.31.26