

Hach Test Kits: Test Kit Replacement Parts & Reagent Reordering

See Inside!

- **Cases**
- **Reagent Powder Pillows**
- **Bulk Chemicals**
- **Replacement Syringes, Tubes,
Glassware, and Other Parts**

Test Kit Replacement Parts & Reagent Reordering



Be Right™

Test Kit Carrying Cases

Test Kit Replacement Parts & Reagent Reordering

Many customers have inquired about ordering extra test kit cases, so we have made several of the most asked-about cases available. Designed for maximum convenience, our easy-to-use test kits are packaged in durable polypropylene or styrene plastic cases. The AD-16E Deluxe Demonstration Kit (see page 282) even includes compartment covers to keep your kit neat and well organized. All cases are durable, easy to clean, and built from the highest quality materials. Examples of several cases available are shown in the photograph below.



Case Style	Size (W x D x H) – inches	Size (W x D x H) – cm	Description	Product Number
A	5.2 x 3.8 x 1.5	(13 x 10 x 4)	Blue plastic	4661000
B	8.3 x 2.6 x 5.75	(21 x 6 x 15)	Blue polypropylene	4660100
D	8.8 x 6.5 x 5.8	(22 x 17 x 15)	Blue polypropylene	4660200
E	16.25 x 8.5 x 7.12	(41 x 22 x 18)	Blue polypropylene	4660600
F	12 x 7.25 x 4.5	(22 x 18 x 11)	Blue polypropylene	4660400
G	14.4 x 8 x 7	(37 x 20 x 18)	Blue polypropylene	4660500
H	18 x 15 x 8	(46 x 38 x 20)	Black soft-sided	4732005
J	21 x 11.5 x 11	(53 x 29 x 25)	Blue molded plastic	4660800
K	4.75 x 4.75 x 1.75	(12 x 12 x 4)	Clear plastic	4584500
L	2.75 x 2.75 x 5	(7 x 7 x 12)	Cardboard	N/A*
M	7.5 x 5.5 x 2.25	(19 x 14 x 6)	Cardboard/plastic	N/A*
N	7 x 5 x 5	(18 x 13 x 13)	Cardboard	N/A*
O	9 x 7 x 7.5	(23 x 18 x 19)	Cardboard	N/A*
Q	17.5 x 10.25 x 8.5	(44 x 26 x 22)	Blue polypropylene	4660700
R	16.25 x 8.5 x 7	(41 x 22 x 18)	Blue polypropylene	2271101
S	9 x 7 x 7.5	(23 x 18 x 19)	Cardboard	N/A*
Small Custom Kit Foam Insert			Fits Case Style E	4766100
Large Custom Kit Foam Insert			Fits Case Style J	4766300

*These are not intended for replacement but are included for size information.

Test Kit Replacement Parts

Test Kit Replacement Parts & Reagent Reordering

Description	Product No.
Ampule Breaker Kit for 10-mL Voluette® Ampules	2196800
Bottle Holder, for Test Kits TZ-1, 21133,	1143322
Coupling-Tubing Assembly, for PolyAcrylic Acid Kit	2226600
Dipstick, for Cyanuric Acid Kit C4-3	4681300
Graduated Cylinder, 25mL, for Cyanuric Acid Kit C4-3	217240
Dropper, 0.583 mL For Test Kit CH-14	217500
Dropper, glass w/0.5 and 1.0 mL mark, pk/5	1419705
Dropper, w/0.5 and 1.0 mL mark pk/20, plastic, for Test Kits DH-1, FM-1	2124720
Dropping Bottle, 29 mL, pk/6	43906
Filter Discs, 25 mm, 0.45 µm, for Test Kit SW-1	2209525
Filter Holder, Syringe Luer 25 mm, for Test Kit SW-1	246800
Filter paper, folded, 12.5 cm pk/100	189457
Filtering Thimble For Storm Water Test Kit	51200
Funnel, plastic, 65 mm	108367
Heatab Cookit, complete w/1 box Heatabs	220600
Heatab Replacements, pk/21	220700
Hydrogen Sulfide Test Chart, for Test Kit HS-C	2537900
Hydrogen Sulfide Test Papers, pk/100, for Test Kit HS-C	2537733
Hydrogen Sulfide Test Vial, for Test Kit HS-C	2532800
Long Path Viewing Adapter	2412200
Measuring Tube, plastic, 5.83 mL	43800
Mixing Bottle w/10.0, 15.0, 20.0, and 23 mL marks, pk/6, for Test Kit PO-9A (for titration kits)	232706
Mixing Tube w/pouring lip, For Test Kit SF-1	217240
Pipet, Sterile Transfer, pk/15	2232512
Sample Cell, 1 cm/10 mL, pk/2, Plastic, with cap for Pocket Colorimeter	2126102
Sample Cell, 10 mL w/cap, 2.5 cm	2122800
Siphon Tube, Copper (STPL-WRT)	186441
Snapper, AccuVac®	2405200
Softener Regeneration Kit	2666000
Stopper for Color Viewing Tube (173006), pk/6	173106

Description	Product No.
Stopper for Color Viewing Tube (4660004), pk/4	4660014
Stopper, hollow, clear, for Color Viewing Tube, pk/6	1448001
Support for Cookit	217900
Syringe, 2-mL, pk/25, for WO-1	2228725
Syringe, 20-mL, for WO-1	2237400
Syringe, 30-cc for PolyAcrylic Acid Kit	2225800
Cap for Color Cube	1907300
Test Tube for Soap Demonstration, for Test Kit SO-1	51400
Test Tube Holder	63400
Tubing, latex, for use with siphon tube, 6" segment, STPL-WRT	713400
Valve, 3-way, for PolyAcrylic Acid Kit	2225900
Vial with 2, 5, 10, 15, 20 and 25 mL marks, for LeadTrak®, Lead DR 100, FF-3, IR-24, BC-3, SA-DT	219300
Viewing Tube Insert, for Test Kits CN-80, DH-1, HS-WR, Viewing Tubes	2128800
Color Viewing Tube, glass, pk/6	173006
Color Viewing Tube with caps, plastic, pk/4	4660004
For Test Kits : CA-24WR, CA-10WR, AL-36DT, AL-36B, HA-77, CN-39WR, IR-23, IR-20, HA-62, HA-62A, TA-3, CN-67, STPL-WRT, SI-5, PO-24, PO-23, PO-23A, PO-19, -19A, OZ-2, NI-14, NI-12, MO-2, IR-18B, IR-18, HS-6, HS-WR HY-2, CYN-3, CU-5, CO-1, CH-12, CH-8, CN-80, CN-70, CN-70F, CN-70T, CN-66, 21133, AL-94WR, -94AY, CD-52WR, MD-2, AL-72WR, TZ-1, IR-24, NI-15, DH-1, FF-2, FF-1A, FF-3, CU-6, AL-95 MG-L, B&C-3, Pool Master, PO-14, OS-1, MN-PAN, PN-10	
Color Viewing Tube w/5 & 20 mL mark, for Test Kit DE-2	173606
Water-in-Oil Measuring Tube Apparatus	2237500
Color Comparator Box	173200
Color Comparator Box, AccuVac®	173250

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Stoppers for Glass Color Viewing Tube
Prod. No. 173106

Stoppers for Color Viewing Tube
Prod. No. 4660014



Viewing Tube Insert
Prod. No. 2128800



Color Viewing Tube, Glass
Prod. No. 173006



Long Path Viewing Adapter
Prod. No. 2412200



Measuring Tube
Prod. No. 43800

Color Viewing Tube (Plastic) with Caps
Prod. No. 4660004

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Test Kit Replacement Parts

Test Kit Replacement Parts & Reagent Reordering

Description	Product No.
Color Disc	
Ammonia, Nitrogen , 0-2.5 mg/L, NI-SA	2393800
Benzotriazole/Tolyltriazole , 0-15 mg/L, TZ-1	2163500
Chlorine , 0-0.7, 0-3.5, 0-10 mg/L, CN-80	2129100
Chlorine , 0-0.7, 0-3.5 mg/L, CN-39WR, CN-67, CN-70, CN-66, STPL-WRT, AL-72WR, Pool Master, B&C-3, SW-1	2198800
Chromate , 0-1.5 mg/L, CH-12, CH-8	178300
Color , 0-100, 0-500 units, CO-1	209200
Copper , 0-5 mg/L, CU-5, CU-6, SW-1	1421200
Cyanide , 0-0.3 mg/L, CYN-3	1408300
DEHA , 0-65, 0-375, 0-1700 µg/L, DH-1	2168100
Detergents , 0-1.3 mg/L, DE-2, SW	2653900
Glutaraldehyde , GT-1(color disk)	2588800

Color Disc (continued)

Hydrazine , 0-1 mg/L, HY-2	179700
Iron, Ferrous , 0-10 mg/L, IR-18C	187400
Iron, FerroVer® , 0-1 mg/L, IR-18A	175600
Iron, FerroVer® , 0-5 mg/L, HA-77, CN-39WR, IR-20, HA-62, IR-18, AL-94WR, CN-52WR, AL-72WR, AL-94 MG-L, B&C-3	171300
Iron, FerroVer® , 0-10 mg/L, IR-23, HA-62A, AD-16D, IR-18B, MD-2	187400
Iron, FerroZine® , 0-0.2, 0-1 mg/L, IR-24	251400
Iron, TPTZ , 0-1 mg/L, IR-21, BC-3, PBC-DT	2299000
Manganese , PAN, 0-0.7 mg/L, MN-PAN	2350900
Manganese , Periodate, 0-3 mg/L, IR-20, MN-5, AL-72WR, B&C-3	173900
Molybdate Molybdenum , 0-50 mg/L, MO-2	1415000
Molybdate Molybdenum , 0-3 mg/L, MO-LR	2359400
Nitrate Nitrogen , 0-1, 0-10 mg/L, NI-14	1417100
Nitrate Nitrogen , 0-50 mg/L, NI-11, NI-12, AD-16D	1403800
Nitrite Nitrogen , 0-0.5 mg/L, NI-12, NI-15, FF-2, FF-1, FF-3	1408400
Nitrite Nitrogen , 0-100, 0-2000 mg/L, NI-6	181800
Oxygen Scavenger , 0-100 units, OS-1	2349600
Ozone , 0-2.3 mg/L, OZ-2	2198900
pH, Bromthymol Blue , 5.5-8.5, AD-16C, AD-16D, AD-16E, 17-F	141100
pH, Phenol Red , 6.5-8.5, HA-62A, HA-62, CN-67, 17-H	141300

Description	Product No.
pH, Thymol Blue , 7.0-10.0, 17-J	178700
pH, Thymol Blue/Bromthymol Blue , 17-G	2667300
pH, Wide Range , 4-10, CA-10WR, AL-36DT, AL-36B, CN-39WR, IR-23, STPL-WRT, AL-94WR, CD-52WR, MD-2, AL-72WR, 17-N, FF-2, FF-1A, FF-3, AL-94 MG-L, B&C-3	191900
Phenols , 0-1 mg/L, PL-1, SW-1	2483400
Phenols , 0-5 mg/L, PL-1, SW-1	2483500
Phosphate , 0-50 mg/L, PO-24, PO-23, PO-23A, PO-19, PO-19A, 21133, BW-DT, PN-10	2489800
Phosphate, StannaVer® , 0-4.5, 0-45 mg/L, PO-14	2623100
Phosphonates , 0-5 to 0-125 mg/L, PN-10	
Silica , 0-1.0 mg/L, SI-7	2255100
Silica , 0-40, 0-800 mg/L, SI-5	2544600
Sulfide , 0-0.55, 0-2.25, 0-11.25 mg/L, HS-WR	2194500

Color Disc, AccuVac®

Chlorine , 0-2.5 mg/L (free), 0-3 mg/L (total)	2590600
Dissolved Oxygen , High Range, 0-15 mg/L	2597600
Dissolved Oxygen , Low Range, 0-1000 µg/L	2597500
Iron , 0-10 mg/L	2605900
Nitrate , 0-50 mg/L	2606100
Ozone , High Range, 0-1.6 mg/L	2594500
Ozone , Low Range, 0-0.3 mg/L	2594300
Ozone , Medium Range, 0-0.8 mg/L	2594400
Phosphate , 0-5 mg/L	2606000

Color Cube

Ammonia Nitrogen Cube , 0-2.5 mg/L	1250700
Ammonia Nitrogen Cube , 0-0.8 mg/L, fresh water	2268400
Bromine Cube , Long-Path	2214500
Chlorine, Free or Total Cube	2060200
Chromium, Hexavalent Cube	1251000
Iodine Cube , Long-Path	2214800
Iron Cube , 0-5 mg/L	1400700
Iron Cube , 0-10 mg/L	2540900
Nitrate Nitrogen Cube	1403600
Nitrite Nitrogen Cube	2059500
pH, Bromthymol Blue Cube	2068100
pH, Phenol Red Cube	1250200
Phosphate Cube	1250500



Color Comparator Box
Prod. No. 173200



Chlorine Color Disc
Prod. No. 2198800



Chlorine, Free or Total Color Cube
Prod. No. 2060200

For Single Parameter Test Kits

Reagents for single parameter kits are listed alphabetically by parameter. Reagents for application (multi-parameter) kits are listed by model number, kit name, product number, and method beginning on page 319. Where a reagent set is available, it is listed first, followed by the individual reagents contained in the set. Sample sizes for powder pillows are given in parentheses.

Some abbreviations used:

crtg—cartridge
mg/L—milligrams/liter
SCDB—self-contained dropper bottle

DB—dropping bottle
P—pillow
Soln—solution

gpg—grains per gallon
pk—package

MDB—marked dropper bottle
PP—powder pillow

Product Number	Description
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Acidity, AC-6, #222301, drop count, mg/L
2438400 Reagent Set (100 Tests)
or 94399 Bromocresol Green Methyl Red PP pk/100
189736 Phenolphthalein Soln 15 mL SCDB
2349332 Sodium Hydroxide, 0.035N 100 mL MDB

Acidity, AC-DT, #2064000, Digital Titrator
2272800 Reagent Set (approx. 100 Tests)
or 94299 Phenolphthalein PP pk/100
1437701 Sodium Hydroxide, 0.1600N crtg
1437901 Sodium Hydroxide, 1.600N crtg
1455099 Bromphenol Blue PP pk/100

Alkalinity, AL-AP, #2444300, drop count, gpg
2437400 Reagent Set (100 Tests)
2620532 Sulfuric Acid, 0.030N 100 mL MDB
94299 Phenolphthalein PP pk/100
94399 Bromocresol Green Methyl Red PP pk/100

Alkalinity, AL-AP MG-L, #2444301, drop count, mg/L
2437401 Reagent Set (100 Tests)
or 94299 Phenolphthalein PP pk/100
94399 Bromocresol Green Methyl Red PP pk/100
2349732 Sulfuric Acid, 0.035N 100 mL MDB

Alkalinity, AL-DT, #2063700, Digital Titrator
2271900 Reagent Set (approx. 100 Tests)
or 94299 Phenolphthalein PP pk/100
94399 Bromocresol Green Methyl Red PP pk/100
1438801 Sulfuric Acid, 0.1600N crtg
1438901 Sulfuric Acid, 1.600N crtg

Alkalinity, AL-TA, #2314500, drop count
2439400 Reagent Set (100 Tests)
or 94399 Bromocresol Green Methyl Red PP pk/100
212132 Sulfuric Acid, 0.500N 100 mL MDB

Aluminum, Pocket Colorimeter™II, #5870025
2242000 Reagent Set, Aluminum, 0-0.220 mg/L (100 Tests)
or 1429099 AluVer® 3 PP pk/100
1429449 Bleaching 3 Reagent PP pk/100
1457799 Ascorbic Acid PP pk/100

Ammonia, see also Monochloramine/Free Ammonia

Ammonia, Cube, Salicylate, #2266900 and #2267100
2266910 Reagent Set (25 Tests)

Ammonia, NI-8, #224100, color disc
2119432 Nessler Reagent (100 Tests)

Product Number	Description
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Ammonia, NI-SA, #2428700, color disc
2395266 Ammonia Salicylate Reagent PP pk/50
2395466 Ammonia Cyanurate Reagent PP pk/50

Ammonia, Pocket Colorimeter™II, #5870040
2668000 Reagent Set, Nitrogen Ammonia (100 Tests)
or 2653199 Ammonia Cyanurate PP pk/100
2653299 Ammonia Salicylate PP pk/100

Ascorbic Acid, ASC-1, #2308100, drop count
2439300 Reagent Set (100 Tests)
or 34932 Starch Indicator 100 mL MDB
244932 Sulfuric Acid, 5.25N 100 mL MDB
2308232 Ascorbic Acid Titrant 100 mL MDB

Arsenic, Low Range, #2800000, test strips
2799900 Reagent Set (100 Tests)
 Reagent set includes: Arsenic Test Strips
 Arsenic Reagents #1, #2, #3, #4, and #5
 Brown zip-lock bag
2823200 Arsenic EZ

Benzotriazole, see Triazole

Bromine, Long-path Cube, #2194000
1406499 Reagent Set (100 Tests)

Bromine, Pocket Colorimeter™II, #5870001
2105669 DPD Total Chlorine PP pk/100
or 2503025 DPD Total Chlorine AccuVac® Ampules, pk/25

Calcium, see Hardness, Total and Calcium

Carbon Dioxide, CA-23, #143601, drop count
2437500 Reagent Set (approx. 200 Tests)
or 67132 Sodium Hydroxide Soln 100 mL MDB
189736 Phenolphthalein Soln 15 mL SCDB

Carbon Dioxide, CA-DT, Digital Titrator, #2064100
2272700 Reagent Set (approx. 100 Tests)
or 94299 Phenolphthalein PP pk/100
1437801 Sodium Hydroxide, 0.3636N crtg
1438001 Sodium Hydroxide, 3.636N crtg

Chloride, CD-DT, #2063500, Digital Titrator
2272600 Reagent Set (approx. 100 Tests)
or 83699 Diphenylcarbazone Reagent PP pk/100
92101 Mercuric Nitrate, 2.256N crtg
1439301 Mercuric Nitrate, 0.2256N crtg

Continued on next page.

Replacement Reagents

Test Kit Replacement Parts & Reagent Reordering

For Single Parameter Test Kits

Product Number	Description
Chloride, High Range, CD-51, #208601, drop count, mg/L	
104399	Chloride 2 Indicator PP pk/100
2349432	Silver Nitrate Soln 100 mL MDB
Chloride, Low Range, 8-P, #144001, drop count, mg/L	
2437600	Reagent Set (100 Tests)
or 104399	Chloride 2 Indicator PP pk/100
2349832	Silver Nitrate, 0.049N 100 mL MDB
Chlorine, Free and Total, CN-66, #223101, color disc	
2438800	Reagent Set (100 Tests)
or 1407699	DPD Total Chlorine PP (5 mL) pk/100
1407799	DPD Free Chlorine PP (5 mL) pk/100
Chlorine, Free and Total, CN-70, #1454200, color disc	
2440400	Reagent Set (100 Tests)
or 1406499	DPD Total Chlorine PP (25 mL) pk/100
1407099	DPD Free Chlorine PP (25 mL) pk/100
Chlorine, Free and Total, CN-80, #2129000, color disc	
2440400	Reagent Set (100 Tests)
or 1406499	DPD Total Chlorine PP (25 mL) pk/100
1407099	DPD Free Chlorine PP (25 mL) pk/100
Chlorine, Free and Total, Pocket Colorimeter™II, #5870000	
2105569	DPD Free Chlorine PP (10 mL) pk/100
2105669	DPD Total Chlorine PP (10 mL) pk/100
or 2502025	DPD Free Chlorine AccuVac® Ampules, pk/25
2503025	DPD Total Chlorine AccuVac® Ampules, pk/25
Chlorine, Free, AccuVac® Test Kit, #2502050	
2502025	DPD Free Chlorine AccuVac® Ampules, pk/25
Chlorine, Free, CN-66F, #223102, color disc	
1407799	DPD Free Chlorine PP (5 mL) pk/100
Chlorine, Free, CN-70F, #1454202, color disc	
1407099	DPD Free Chlorine PP (25 mL) pk/100
Chlorine, Free, Cube, #2060300	
2197846	Reagent Set (50 Tests)
Chlorine, Total, AccuVac® Test Kit, #2503050	
2503025	DPD Total Chlorine AccuVac® Ampules, pk/25
Chlorine, Total, CN-21P, #2444400, drop count	
2437700	Reagent Set (100 Tests)
or 105599	Sulfamic Acid PP pk/100
2409232	Sodium Thiosulfate Std, 0.0246N 100 mL MDB
107799	Potassium Iodide PP pk/100
Chlorine, Total, CN-65, #225401, drop count	
2438600	Reagent Set (100 Tests)
or 105599	Sulfamic Acid PP pk/100
220399	Sulfite 1 Reagent PP pk/100
2408532	Sodium Thiosulfate, 100 mL MDB

Product Number	Description
Chlorine, Total, CN-66T, #223103, color disc	
1407699	DPD Total Chlorine PP (5 mL) pk/100
Chlorine, Total, CN-70T, #1454202, color disc	
1406499	DPD Total Chlorine PP (25 mL) pk/100
Chlorine, Total, CN-DT, #2471100, Digital Titrator	
2272500	Reagent Set (approx. 100 Tests)
or 34932	Starch Indicator 100 mL MDB
98799	Dissolved Oxygen 3 PP pk/100
107799	Potassium Iodide PP pk/100
2267301	Sodium Thiosulfate, 0.113N crtg
Chlorine, Total, Cube, #2060400	
2198246	Reagent Set (50 Tests)
Chromate CH-14, #222702, drop count	
34932	Starch Indicator 100 mL MDB
105599	Sulfamic Acid PP pk/100
107799	Potassium Iodide PP pk/100
2409032	Sodium Thiosulfate Std. 0.0113N 100 mL MDB
Chromate CH-DT, #2063400, Digital Titrator	
2272400	Reagent Set (approx. 100 Tests)
or 34932	Starch Indicator 100 mL MDB
98799	Dissolved Oxygen 3 PP pk/100
2059996	Potassium Iodide PP pk/50
2267601	Sodium Thiosulfate, 0.2068N crtg
Chromium, Hexavalent, CH-8, #183400, color disc	
1271099	ChromaVer® 3 PP (5, 10 mL) pk/100
Chromium, Hexavalent, for Soil and Water, #2461800	
81042H	Chromium Std Soln 50 mg/L 100 mL MDB
1206699	ChromaVer® 3 PP (25 mL) pk/50
Chromium, Hexavalent, Pocket Colorimeter™II, #5870017	
1271099	ChromaVer® 3 PP (5, 10 mL) pk/100
or 2505025	ChromaVer® 3 AccuVac® Ampules, pk/25
Chromium, Total, CH-12, #222800, color disc	
2242501	Reagent Set (100 Tests)
Copper, Free, CU-5, #1421300, color disc	
1421199	CuVer® 1 Reagent PP (5 mL) pk/100
Copper, Free, Pocket Colorimeter™II, #5870019	
2105869	CuVer® 1 Copper Reagent PP, pk/100
or 2504025	CuVer® 2 Copper AccuVac® Ampules, pk/25
Cyanide, Free, CYN-3, #201002, color disc	
2438200	Reagent Set (100 Tests)
Cyanuric Acid, CY-3, #185102, extinction/turbidimetric	
246066	Cyanuric Acid 2 PP pk/50



For Single Parameter Test Kits

Product Number	Description
DEHA, DH-1, #2168200, color disc	
2446600	Reagent Set (100 Tests)
or 2167969	DEHA Reagent 1 PP pk/100 (2 pillows/test)
2168042	DEHA Reagent 2 500 mL 1 mL/test
Detergents, DE-2, #143203, color disc	
2446700	Reagent Set (100 Tests)
or 99949	Wash Water Buffer Soln 500 mL
105932	Detergents Test Soln (100 Tests)
1445849	Chloroform, ACS 473 mL
Dissolved Oxygen, High Range, AccuVac® Test Kit, #2515050	
2515025	Dissolved Oxygen, High Range AccuVac® Ampules, pk/25
Dissolved Oxygen, High Range, Pocket Colorimeter™, #4670003	
2501025	Dissolved Oxygen, Low Range AccuVac® Ampules, pk/25
Dissolved Oxygen, Low Range, AccuVac® Test Kit, #2501050	
2501025	Dissolved Oxygen, Low Range AccuVac® Ampules, pk/25
Dissolved Oxygen, OX-2P, #146900, drop count	
2439802	Reagent Set (100 Tests)
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
2408932	Sodium Thiosulfate Std 100 mL MDB
Dissolved Oxygen, OX-DT, #2063100, Digital Titrator	
2272200	Reagent Set (approx. 50 Tests)
or 34932	Starch Indicator 100 mL MDB
107166	Manganous Sulfate PP pk/25
107266	Alkaline Iodide-Azide PP pk/25
2076266	Sulfamic Acid PP pk/25
2267501	Sodium Thiosulfate, 0.2000N crtg
Ferrous Iron, IR-18C, #2667200, color disc	
103769	Ferrous Iron Rgt PP (25 mL) pk/100
Fluoride, Pocket Colorimeter™II, #5870005	
2506025	SPADNS Reagent, AccuVac® Ampules, pk/25
or 44449	SPADNS Reagent Soln 500 mL
Formaldehyde, High Range, FM-1, #2183100, drop count	
2182999	Formaldehyde Reagent 1 PP pk/50
2183032	Sulfuric Acid, 1.90N 100 mL MDB
2185336	Thymolphthalein, 1 g/L 15 mL SCDB
Glutaraldehyde, GT-1, #2587200	
98799	Dissolved Oxygen 3 PP pk/100
2171820	Ferric Chloride Reagent (5 mL) pk/20
2257169	MBTH PP pk/100

Product Number	Description
Glycol, EG-1, #2186400, visual	
2446900	Reagent Set (100 Tests)
or 2183668	Glycol Test Reagent 1 PP pk/25
2183768	Glycol Test Reagent 2 PP pk/25
2183825	Glycol Test Reagent 3 vials pk/25
2183936	Ethylene Glycol, 0.05% 15 mL SCDB
Hardness, Total and Calcium Hardness, HAC-DT, #2063900, Digital Titrator	
2272100	Reagent Set (approx. 100 Tests, 50 Total Hardness, 50 Calcium)
or 28232H	Potassium Hydroxide, 8N 100 mL MDB (2)
42432	Buffer Soln, Hardness 1 100 mL MDB
85199	ManVer® 2 PP (50 mL) pk/100
94799	CalVer® 2 PP pk/100
1436401	EDTA, 0.0800M crtg
1439901	EDTA, 0.800M crtg
Hardness, Total and Calcium, HA-4P MG-L, #145701, drop count	
28232H	Potassium Hydroxide, 8N 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
94799	CalVer® 2 PP pk/100
2349932	EDTA Titrant, 0.035N 100 mL MDB
Hardness, Total and Calcium, HA-4P, #145700, drop count, gpg	
28232H	Potassium Hydroxide, 8N 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
94799	CalVer® 2 PP pk/100
Hardness, Total, 5-EP MG-L, #145401, drop count	
2437901	Reagent Set (100 Tests)
or 2349932	EDTA Titrant, 0.035N 100 mL MDB
96299	UniVer® 3 PP pk/100
Hardness, Total, 5-EP, #145400, drop count, gpg	
2437900	Reagent Set (100 Tests)
or 42632	Hardness 3 Test Soln 100 mL MDB
96299	UniVer® 3 PP pk/100
Hardness, Total, HA-71A, #145201, drop count	
2437800	Reagent Set (100 Tests)
or 42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
Hardness, Total, HA-DT, #2063600, Digital Titrator	
2272000	Reagent Set (approx. 100 Tests)
or 42432	Buffer Soln, Hardness 1 100 mL MDB
85199	ManVer® 2 PP (50 mL) pk/100
1436401	EDTA, 0.0800M crtg
1439901	EDTA Std. Soln., 0.800M crtg
Hydrazine, HY-2, #184900, color disc	
27242	Water, Deionized 100 mL
179032	HydraVer® 2 Hydrazine Reagent (100 Tests)

Continued on next page.

Replacement Reagents

Test Kit Replacement Parts & Reagent Reordering

For Single Parameter Test Kits

Product Number	Description
Hydrogen Peroxide, HYP-1, #2291700, drop count	
2449100	Reagent Set (100 Tests)
or 193332	Ammonium Molybdate 100 mL MDB
220399	Sulfite 1 Reagent PP pk/100
2408732	Sodium Thiosulfate Titrant 100 mL MDB
Hydrogen Sulfide, HS-C, #2537800, color chart	
2537733	Hydrogen Sulfide Paper pk/100
1453300	AlkaSeltzer Tablets (18 Tests)
Hydrogen Sulfide, HS-WR, #223801, color disc	
2244501	Reagent Set (60 Tests)
or 27242	Water, Deionized 100
181632	Sulfide Test Soln 1 (100 Tests)
181732	Sulfide Test Soln 2 (100 Tests)
and 211220	Phenol Soln 30 g/L 29 mL
221120	Bromine Water, 30g/L 29 mL
Iron, See also Ferrous Iron	
Iron, AccuVac® Test Kit, #2507050	
2507025	FerroVer® AccuVac® Ampules, pk/25
Iron, Cube, #1400800, #2543500	
92746	Reagent Set (50 Tests)
Iron, IR-18, 0-5 mg/L, #146400, color disc	
92799	FerroVer® PP (5 mL) pk/100
Iron, IR-18A, 0-1 mg/L, #146500, color disc	
85499	FerroVer® PP (25 mL) pk/100
Iron, IR-18B, 0-10 mg/L, #146401, color disc	
92799	FerroVer® PP (5 mL) pk/100
Iron, IR-21, #2299300, color disc	
2275699	TPTZ Iron Reagent PP (25 mL) pk/100
Iron, IR-24, #255600, color disc	
230166	FerroZine® Reagent Soln PP (25 mL) pk/50
Iron, Pocket Colorimeter™II, #5870016	
2608799	TPTZ Iron Reagent PP (10 mL) pk/100
or 2510025	TPTZ Iron Reagent AccuVac® Ampules, pk/25
Manganese, Low Range, MN-PAN, #2350800, color disc	
2243300	Reagent Set (100 Tests)
or 1457799	Ascorbic Acid PP pk/100
2122332	Alkaline Cyanide Reagent (100 Tests)
2122432	PAN Indicator, 0.1% 100 mL MDB
Manganese, MN-5, #146700, color disc	
2243200	Reagent Set (100 Tests)
or 98399	Buffer, Citrate PP (25 mL) pk/100
98499	Sodium Periodate PP (25 mL) pk/100

Product Number	Description
Manganese, Pocket Colorimeter™II, #5870018	
2651700	Reagent Set, Manganese (100 Tests)
or 1457799	Ascorbic Acid PP pk/100
2122326	Alkaline Cyanide Reagent, 100 mL MDB
2122426	PAN Indicator, 0.1 %, 100 mL MDB
Molybdate AccuVac® Test Kit, #2522050	
2522098	MolyVer® 6 AccuVac® Reagent Set, pk/25
Molybdate, Low Range, MO-LR, #2359300, color disc	
2439500	Reagent Set (100 Tests)
Molybdate, MO-2, #1419301, color disc	
2243400	Reagent Set (100 Tests)
Molybdenum, Pocket Colorimeter™II, #5870010	
2449400	Molybdenum Reagent Set, 20 mL, 0-3 mg/L, pk/100
Monochloramine and Free Ammonia, Pocket Colorimeter™II, #5870026	
2879700	Free Ammonia Reagent Set, 0-0.5 mg/L (50 Tests)
or 2877336	Hypochlorite Soln, 4 mL SCDB
2802299	Monochloramine PP pk/100
Nickel and Cobalt, Pocket Colorimeter™II, #5870020	
2651600	Reagent Set, Cobalt or Nickel (100 Tests)
or 700599	EDTA Rgt PP pk/100
2615199	Phthalate-Phosphate Rgt PP pk/100
2150232	PAN Indicator, 0.3%, 100 mL MDB
Nitrate, High Range, AccuVac® Test Kit, #2511050	
2511025	NitraVer® 5 AccuVac® Ampules, pk/25
Nitrate, High Range, Cube, #1403700	
1403546	Reagent Set (50 Tests)
Nitrate, High Range, NI-11, #146803, color disc	
1403599	NitraVer® 5 PP (5 mL) pk/100
Nitrate, High Range, NTrak®, #2411600, color disc	
1232120	Calcium Sulfate Powder, 20g
1403599	NitraVer® 5 PP (5 mL) pk/100
2415132	Nitrogen Stock Soln (100 Tests)
Nitrate, Pocket Colorimeter™II, #5870002	
2106169	NitraVer® 5 PP (10 mL) pk/100
or 2511025	NitraVer® 5 AccuVac® Ampules, pk/25
Nitrate, Low Range, NI-14, #1416100, color disc	
2460800	Reagent Set (100 Tests)
or 1407899	NitriVer® 3 PP (5 mL) pk/100
1412099	NitraVer® 6 PP (5 mL) pk/100
Nitrate-Nitrite, NI-12, #1408100, color disc	
1403599	NitraVer® 5 PP (5 mL) pk/100
1407899	NitriVer® 3 PP (5 mL) pk/100



For Single Parameter Test Kits

Product Number	Description
Nitrite, High Range, NI-6, #224000, color disc	
27242	Water, Deionized 100 mL
181369	NitriVer® 2 PP (5 mL) pk/100
Nitrite, Low Range, NI-15, #2182000, color disc	
1407899	NitriVer® 3 PP (5 mL) pk/100
Orthophosphate, see Phosphate	
Oxygen, Dissolved, see Dissolved Oxygen	
Oxygen Scavenger, OS-1, #2349500, color disc	
2446600	Reagent Set (100 Tests)
or 2167969	DEHA Reagent 1 PP pk/100 (2)
2168042	DEHA Reagent 2 (100 Tests)
Ozone, High Range, AccuVac® Test Kit, #2518050	
2518025	Ozone, High Range AccuVac® Ampules, pk/25
Ozone, Low Range, AccuVac® Test Kit, #2516050	
2516025	Ozone, Low Range AccuVac® Ampules, pk/25
Ozone, Mid Range, AccuVac® Test Kit, #2517050	
2517025	Ozone, Mid Range AccuVac® Ampules, pk/25
Ozone, OZ-2, #2064400, color disc	
1407699	DPD Total Chlorine PP (5 mL) pk/100
Ozone, Pocket Colorimeter™II, #5870004	
2516025	Ozone Low Range AccuVac® Ampules, 0-0.25 mg/L, pk/25
2517025	Ozone Mid Range AccuVac® Ampules, 0-0.75 mg/L, pk/25
PCB in Soil Kit, #2773400	
2773500	PCB 20 Cuvette Reagent Set
2764200	Pipet tips, box of 100
2097000	Wipes, disposable
27248	Deionized Water 500mL
2775200	Soil Extraction Kit Refill (fills all consumables in the 2775100 kit)
pH, 3.0-5.0, 2,4-Dinitrophenol, 17-D, #147004, color disc	
186932	2,4-Dinitrophenol 100 mL MDB
pH, 4.0-10.0, Wide Range, 17-N, #147011, color disc	
2329332	Wide Range-4 pH Indicator 100 mL MDB
pH, 5.2-6.8, Bromcresol Purple, 17-S, #1470-14, color disc	
25432	Bromcresol Purple Indicator 100 mL MDB
pH, 5.5-8.5, Bromthymol Blue, 17-F, #147006, color disc	
25532	Bromthymol Blue Indicator 100 mL MDB

Product Number	Description
pH, 5.5-8.5, Mid-Range 17G, #2667400, color disc	
2667699	Mid-Range pH Indicator PP (5 mL) pk/100
pH, 6.5-8.5, Phenol Red, 17-H, #147008, color disc	
21132	Phenol Red Indicator Soln 100 mL MDB
pH, 6.5-8.5, Phenol Red, Cube, #1251900	
2074846	Phenol Red PP pk/50
pH, 7.8-10.0, Thymol Blue, 17-J, #147009, color disc	
25732	Thymol Blue Indicator Soln 100 mL MDB
Phenols, PL-1, #2483600, color disc	
42426	Hardness 1 Buffer Soln 59 mL SCDB
700599	EDTA Reagent PP pk/100
2084769	Potassium Persulfate PP pk/100
2481569	Phenol Reagent PP pk/100
Phosphate, AccuVac® Test Kit, #2508050	
2508025	PhosVer® 3 AccuVac® Ampules, pk/25
Phosphate, PO-14, #147500, color disc	
2439900	Reagent Set (100 Tests)
or 11032H	Ammonium Molybdate Reagent (100 Tests)
27242	Water, Deionized 100 mL
106199	Phosphate 2 Reagent PP pk/100
Phosphate, PO-19, #224800, color disc	
27242	Water, Deionized 100 mL
220999	PhosVer® 3 PP (5 mL) pk/100
Phosphate, PO-19A, #224801, color disc	
27242	Water, Deionized 100 mL
104633	Filtration Aid Soln 29 mL DB
220999	PhosVer® 3 PP (5 mL) pk/100
Phosphate, PO-23, #224902, color disc	
2458600	Reagent Set (100 Tests)
or 27242	Water, Deionized 100 mL
220999	PhosVer® 3 PP (5 mL) pk/100
244932	Sulfuric Acid, 5.25N (100 Tests)
245032	Sodium Hydroxide, 5.0N (100 Tests)
Phosphate, PO-23A, #224903, color disc	
27242	Water, Deionized 100 mL
104633	Filtration Aid Soln 29 mL DB
220999	PhosVer® 3 PP (5 mL) pk/100
244932	Sulfuric Acid, 5.25N (100 Tests)
245032	Sodium Hydroxide, 5.0N (100 Tests)

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Replacement Reagents

Test Kit Replacement Parts & Reagent Reordering

For Single Parameter Test Kits

Product Number	Description
Phosphate, PO-9A, #147301, color ampule	
2439900	Reagent Set (100 Tests)
or 11032H	Ammonium Molybdate Reagent (100 Tests)
106199	Phosphate 2 Reagent PP pk/100

Phosphate, Pocket Colorimeter™II, #5870006	
2106069	PhosVer® 3 PP (10 mL), pk/100
or 2508025	PhosVer® 3 AccuVac® Ampules, pk/25

Phosphate, Total, PO-24, #225001, color disc	
2440300	Reagent Set (100 Tests)
and 2459000	Reagent Set (100 Tests)
or 27242	Water, Deionized 100 mL
104633	Filtration Aid Soln 29 mL DB
212599	PhosVer® 3 PP pk/100
244932	Sulfuric Acid, 5.25N (100 Tests)
245032	Sodium Hydroxide, 5.0N (100 Tests)
245199	Potassium Persulfate PP pk/100

Phosphonate, PN-10, #2113300 and #2113302, color disc	
2461000	Reagent Set (100 Tests)
or 220999	PhosVer® 3 PP (5 mL) pk/100
2084769	Potassium Persulfate PP pk/100

Phosphonate, Pocket Colorimeter™II, #5870007, #5870008	
2106069	PhosVer® 3 PP pk/100
2084769	Potassium Persulfate PP pk/100

Pretreatment, PT-1, #226800, Bromine/Phenol	
2438700	Reagent Set (100 Tests)
or 211220	Phenol Soln, 30 g/L 29 mL
221120	Bromine Water, 30 g/L 29 mL

Salinity, SA-DT, #2421800, Digital Titrator	
2439600	Reagent Set (100 Tests)
or 96799	Diphenylcarbazone PP pk/100
2393701	Mercuric Nitrate, 2.570N crtg (2)

Silica, High Range, SI-5, #1455400, color disc	
2462300	Reagent Set (100 Tests)
or 27169	Silica 3 Reagent PP pk/100
27242	Water, Deionized 100 mL
1454599	Acid Reagent PP (5 mL) pk/100
1454699	Molybdate Reagent PP (5 mL) pk/100
1454999	Citric Acid PP (5 mL) pk/100

Silica, Low Range, SI-7, #2255000, color disc	
2462200	Reagent Set (100 Tests)
or 199532	Molybdate 3 Reagent (100 Tests)
2253869	Amino Acid F PP (25 mL) pk/100
2254232	Citric Acid Reagent Soln (100 Tests)

Product Number	Description
Soap Demonstration, SO-1, #225300	
46212	Soap Solution 59 mL DB

Sulfate, SF-1, #225100, extinction/turbidimetric	
1206599	SulfaVer® 4 PP pk/100

Sulfide, See Hydrogen Sulfide

Sulfite, SU-5, #148002, drop count	
2440000	Reagent Set (100 Tests)
or 70532	Sulfite 3 Soln 100 mL MDB
105599	Sulfamic Acid PP pk/100
220399	Sulfite 1 Reagent PP pk/100

Sulfite, SU-DT, #2063300, Digital Titrator	
2272300	Reagent Set (approx. 100 Tests) ea
or 34932	Starch Indicator 100 mL MDB
98799	Dissolved Oxygen 3 PP pk/100
1496101	Iodate-Iodide, 0.3998N crtg

Tannin/Lignin, TA-3, #193701, color disc	
27242	Water, Deionized 100 mL
67532	Sodium Carbonate Soln (100 Tests)
205932	Formaldehyde, ACS (100 Tests)
256032	TanniVer® 3 Soln (100 Tests)

TPH in Soil Kit, #2775000	
2774300	TPH 20 Cuvette Reagent Set
2764200	Pipet tips, box of 100
2097000	Wipes, disposable
27248	Deionized Water 500mL
2775200	Soil Extraction Kit Refill (fills all consumables in the 2775100 kit)

TPH in Water Kit, #2774200	
2774300	TPH 20 Cuvette Reagent Set
2764200	Pipet tips, box of 100
2097000	Wipes, disposable
27248	Deionized Water 500 mL

Triazole, TZ-1, #2167500 and #2167502, color disc	
2141299	Triazole Reagent PP pk/100

Water-In-Oil, WO-1, #2237300, volume displacement	
2236945	Water In Oil Reagent Vials pk/25

Zinc, Pocket Colorimeter™II, #5870009	
1403332	Cyclohexanone (100 Tests)
2106669	ZincoVer® PP (20 mL) pk/100



For Application Test Kits

Reagents for application (multi-parameter) kits are listed by model number, kit name, product number, and method. Reagents for single parameter kits are listed alphabetically by parameter beginning on page 313. Where a reagent set is available, it is listed first, followed by the individual reagents contained in the set. Sample sizes for powder pillows are given in parentheses.

Some abbreviations used:

crtg—cartridge
mg/L—milligrams/liter
SCDB—self-contained dropper bottle

DB—dropping bottle
P—pillow
Soln—solution

gpg—grains per gallon
pk—package

MDB—marked dropper bottle
PP—powder pillow

Product Number	Description
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15-E, Water Conditioning Demo, #148201

21132	Phenol Red pH Indicator 100 mL MDB
39532	Soap Soln (50 mL) 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100

AD-16E, Water Conditioning Demo Deluxe, #148410

39532	Soap Solution
42632	Hardness 3 Test Solution
92799	FerroVer® PP (5 mL) pk/100
96299	UniVer® 3 PP pk/100
1403599	NitraVer® 5 PP (5 mL) pk/100
2067299	Bromthymol Blue Indicator PP pk/100

AL-36B, Water Ecology, #180202, drop count, color disc

2329332	Wide Range-4 pH Indicator 100 mL MDB
2620532	Sulfuric Acid Soln 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
67132	Sodium Hydroxide Soln 100 mL MDB
94399	Bromcresol Green Methyl Red PP pk/100
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98768	Dissolved Oxygen 3 PP pk/25
2408932	Sodium Thiosulfate Std. 118 mL MDB
189736	Phenolphthalein Soln 15 mL SCDB

AL-36DT, Water Ecology, #2063800, Digital Titrator, color disc

2329332	Wide Range-4 pH Indicator 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
85199	ManVer® 2 PP (50 mL) pk/100
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
107166	Manganous Sulfate PP pk/25
107266	Alkaline Iodide-Azide PP pk/25
1437901	Sodium Hydroxide, 1.600N crtg
1438001	Sodium Hydroxide, 3.636N crtg
1438901	Sulfuric Acid, 1.600N crtg
1439901	EDTA, 0.800M crtg (TitraVer)
1455099	Bromphenol Blue PP (50 mL) pk/100
2076266	Sulfamic Acid PP pk/25
2267501	Sodium Thiosulfate, 0.2000N crtg
34932	Starch Indicator Solution

AL-94 MG-L, Alkalinity, Chloride, Hardness, Iron, pH,

#222403, drop count, and color disc

2329332	Wide Range-4 pH Indicator 100 mL MDB
2349832	Silver Nitrate, 0.049N 100 mL MDB
2349732	Sulfuric Acid, 0.035N 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
2349932	EDTA Titant, 0.035N 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
104399	Chloride 2 Indicator PP pk/100

Product Number	Description
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AL-94WR, Alkalinity, Chloride, Hardness, Iron, pH,

#222401, drop count, and color disc

2329332	Wide Range-4 pH Indicator 100 mL MDB
39732	Silver Nitrate Soln 100 mL MDB
2620532	Sulfuric Acid, 0.030N 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
104399	Chloride 2 Indicator PP pk/100

AL-95, Alkalinity, Chloride, Hardness, #208300, drop count

39732	Silver Nitrate Soln 100 mL MDB
2620532	Sulfuric Acid, 0.030N 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
104399	Chloride 2 Indicator PP pk/100

BC-3, Boiler/Cooling Water Complete, #2350500, color disc

25532	Bromthymol Blue Indicator Soln 100 mL MDB
25732	Thymol Blue Indicator Soln 100 mL MDB
27169	Silica 3 Reagent PP pk/100
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Test Soln, Hardness 2 100 mL MDB
42632	Test Soln, Hardness 3 100 mL MDB
70532	Sulfite 3 Soln 100 mL MDB
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
104399	Chloride 2 Indicator PP pk/100
104633	Filtration Aid Soln 29 mL DB
105599	Sulfamic Acid PP pk/100
220399	Sulfite 1 Reagent PP pk/100
220999	PhosVer® 3 PP (5 mL) pk/100
244932	Sulfuric Acid, 5.25N (100 Tests)
245032	Sodium Hydroxide, 5.0N (100 Tests)
1454599	Acid Reagent PP (5 mL) pk/100
1407699	DPD Total Chlorine PP pk/100
1454699	Molybdate Reagent PP (5 mL) pk/100
1454999	Citric Acid PP (5 mL) pk/100
2275699	TPTZ Iron Reagent PP pk/100
2349832	Silver Nitrate, 0.049N 100 mL MDB
2349732	Sulfuric Acid, 0.035N 100 mL MDB

BSC-1, Boiler Feed And Scale Control, #2350300, drop count

42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Test Soln, Hardness 2 100 mL MDB
42632	Test Soln, Hardness 3 100 mL MDB
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
104399	Chloride 2 Indicator PP pk/100
2349732	Sulfuric Acid, 0.035N 100 mL MDB
2349832	Silver Nitrate, 0.049N 100 mL MDB

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Replacement Reagents

Test Kit Replacement Parts & Reagent Reordering

For Application Test Kits

Product Number	Description
BTC-2, Boiler Treatment And Control, #2350400, color disc	
25732	Thymol Blue Indicator Soln 100 mL MDB
70532	Sulfite 3 Soln 100 mL MDB
105599	Sulfamic Acid PP pk/100
220399	Sulfite 1 Reagent PP pk/100
104633	Filtration Aid Soln 29 mL DB
220999	PhosVer® 3 PP (5 mL) pk/100
244932	Sulfuric Acid, 5.25N (100 Tests)
245032	Sodium Hydroxide, 5.0N (100 Tests)
BT-DT, Professional Boiler Treatment, #2350600, Digital Titrator, color disc	
25732	Thymol Blue Indicator Soln 100 mL MDB
34932	Starch Indicator 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
83699	Diphenylcarbazone Reagent PP pk/100
85199	ManVer® 2 PP (50 mL) pk/100
92101	Mercuric Nitrate, 2.256N crtg
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
98768	Dissolved Oxygen 3 PP pk/25
104633	Filtration Aid Soln 29 mL DB
220999	PhosVer® 3 PP (5 mL) pk/100
244932	Sulfuric Acid, 5.25N (100 Tests)
245032	Sodium Hydroxide, 5.0N (100 Tests)
1436401	EDTA, 0.0800M crtg (TitraVer)
1438801	Sulfuric Acid, 0.1600N crtg
1438901	Sulfuric Acid, 1.600N crtg
1439301	Mercuric Nitrate, 0.2256N crtg
1439901	EDTA, 0.800M crtg (TitraVer)
1496101	Iodate-Iodide, 0.3998N crtg
CA-10WR, Carbon Dioxide, Dissolved Oxygen, pH, #143801, drop count, color disc	
2329332	Wide Range-4 pH Indicator 100 mL MDB
67132	Sodium Hydroxide Soln 100 mL MDB
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
2408932	Sodium Thiosulfate Std. 100 mL MDB
189736	Phenolphthalein Soln 15 mL SCDB
CEC-2, Chlorine, Coliform, pH, #2223111 and #2223112, color disc	
1406499	DPD Total Chlorine PP (25 mL) pk/100
1407099	DPD Free Chlorine PP (25 mL) pk/100
2182115	Lauryl Tryptose/MUG Tubes pk/15
Chlorine and pH, Pocket Colorimeter™II, #5870012, colorimeter	
1222220	Buffer Soln, pH 7.00, 25 mL
2657512	Phenol Red Indicator, 50 mL MDB
1407099	DPD Free Chlorine Rgt PP pk/100
1406499	DPD Total Chlorine Rgt PP pk/100
CM-1, Corrosion Management, #2495700, drop count, color disc	
28232H	Potassium Hydroxide, 8N 100 mL MDB
94799	CalVer® 2 Powder Pillows
2349932	EDTA Titrant, 0.035, 100 mL MDB
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
2349732	Sulfuric Acid Std Soln, 0.035 N 100 MDB
220999	PhosVer® 3 PP (5 mL) pk/100
27169	Silica 3 Reagent PP pk/100
1454599	Acid Reagent PP pk/100
1454699	Molybdate Reagent PP pk/100
1454999	Citric Acid PP pk/100

Product Number	Description
CN-39WR, Chlorine, Hardness, Iron, pH, #223002, drop count, color disc	
2329332	Wide Range-4 pH Indicator 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
1407699	DPD Total Chlorine PP (5 mL) pk/100
CN-48B, Chlorine and pH, #186302, cube	
21136	Phenol Red Indicator Soln 15 mL SCDB
1407699	DPD Total Chlorine PP (5 mL) pk/100
CN-67, Chlorine and pH, #1411100, color disc	
21132	Phenol Red Indicator Soln 100 mL MDB
1407699	DPD Total Chlorine PP (5 mL) pk/100
1407799	DPD Free Chlorine PP (5 mL) pk/100
FF-1A, Fish Farming, #243002, drop count, color disc	
2329332	Wide Range-4 pH Indicator (100 Tests)
39732	Silver Nitrate Soln 100 mL MDB
2620532	Sulfuric Acid, 0.030N Soln 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
67132	Sodium Hydroxide Soln 100 mL MDB
94399	Bromcresol Green Methyl Red PP pk/100
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
104399	Chloride 2 Indicator PP pk/100
172533	Rochelle Salt Solution 29 mL DB
189736	Phenolphthalein Soln 15 mL SCDB
1407899	NitriVer® 3 PP (5 mL) pk/100
2119432	Nessler Reagent (100 Tests)
2408932	Sodium Thiosulfate Std. 100 mL MDB
FF-2, Fish Farming, #243001, Digital Titrator, color disc	
2329332	Wide Range-4 pH Indicator 100 mL MDB
34932	Starch Indicator 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
83699	Diphenylcarbazone Reagent PP pk/100
85199	ManVer® 2 PP (50 mL) pk/100
94299	Phenolphthalein PP pk/100
94399	Bromcresol Green Methyl Red PP pk/100
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
2409301	Sodium Thiosulfate, 0.0250N crtg
172533	Rochelle Salt Solution 29 mL DB
1407899	NitriVer® 3 PP (5 mL) pk/100
1437801	Sodium Hydroxide, 0.3636N crtg
1437901	Sodium Hydroxide, 1.600N crtg
1438901	Sulfuric Acid, 1.600N crtg
1439301	Mercuric Nitrate, 0.2256N crtg
1439901	EDTA, 0.800M crtg (TitraVer)
1455099	Bromphenol Blue PP (50 mL) pk/100
2119432	Nessler Reagent 118 mL MDB
27242	Demineralized Water



For Application Test Kits

Product Number	Description
FF-3, Fish Farming, #243003, Digital Titrator, color disc	
34932	Starch Indicator 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
85199	ManVer® 2 PP (50 mL) pk/100
94299	Phenolphthalein PP pk/100
94399	Bromocresol Green Methyl Red PP pk/100
96799	Diphenylcarbazone Reagent PP pk/100
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
2409301	Sodium Thiosulfate Std. 0.0250N crtg
1407899	NitriVer® 3 PP (5 mL) pk/100
1437801	Sodium Hydroxide, 0.3636N crtg
1437901	Sodium Hydroxide, 1.600N crtg
1438901	Sulfuric Acid, 1.600N crtg
1439901	EDTA, 0.800M crtg
1455099	Bromophenol Blue PP (50 mL) pk/100
2393701	Mercuric Nitrate Cartridge, 2.470 N
2395266	Ammonia Salicylate Reagent PP pk/50
2395466	Ammonia Cyanurate Reagent PP pk/50
2329332	Wide Range 4 pH indicator
HA-62, Hardness, Iron, pH, #183700, drop count, color disc	
21132	Phenol Red Indicator Soln 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
HA-62A, Hardness, Iron, pH, #183701, drop count, color disc	
21132	Phenol Red Indicator Soln 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
HA-62B, Hardness, Iron, pH, #183702, drop count, color disc	
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
2329332	Wide Range-4 pH indicator 118 mL MDB
HA-77, Hardness and Iron, #202300, drop count, color disc	
42432	Buffer Soln, Hardness 1 100 mL MDB
42532	Hardness 2 Test Soln 100 mL MDB
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
HA-95A, Hardness and Iron, #145602, drop count, cube	
42632	Hardness 3 Test Soln 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
96299	UniVer® 3 PP pk/100
IR-20, Iron and Manganese, #146300, color disc	
92799	FerroVer® PP (5 mL) pk/100
98399	Buffer, Citrate PP pk/50
98499	Sodium Periodate (25 mL) PP pk/100
IR-23, Iron and pH, #256200, color disc	
2329332	Wide Range-4 pH Indicator (100 Tests)
92799	FerroVer® PP (5 mL) pk/100
MD-2, Acid Mine Drainage, #1405800, drop count, color disc	
2329332	Wide Range-4 pH Indicator 100 Tests
2620532	Sulfuric Acid, 0.030N 100 mL MDB
92799	FerroVer® PP (5 mL) pk/100
94299	Phenolphthalein PP pk/100
94399	Bromocresol Green Methyl Red PP pk/100
191132	Sodium Hydroxide 100 mL MDB
27242	Demineralized Water 100 mL

Product Number	Description
NPK-1, Fertilizer Requirement, #2495900, drop count, color disc	
2268732	Alkaline EDTA Soln 100 mL MDB
2227066	pH 7 Buffer PP pk/50
1232120	Calcium Sulfate Powder 20 g
1403599	NitraVer® 5 PP (5 mL) pk/100
2415132	Nitrogen, Nitrate Standard Soln (15 mg/L) 100 Tests
220999	PhosVer® 3 PP (5 mL) pk/100
1432298	Potassium 2 Reagent Solution Pillows pk/25
1432399	Potassium 3 PP pk/50
2266349	Mehlich 2 Soil Extractant Concentrate 500 mL
PBC-DT, Professional Boiler/Cooling Water, #2350700, Digital Titrator, color disc	
25532	Bromthymol Blue Indicator 100 mL MDB
25732	Thymol Blue Indicator Soln 100 mL MDB
27169	Silica 3 Reagent PP pk/100
34932	Starch Indicator 100 mL MDB
42432	Buffer Soln, Hardness 1 100 mL MDB
83699	Diphenylcarbazone Reagent PP pk/100
85199	ManVer® 2 PP (50 mL) pk/100
92101	Mercuric Nitrate, 2.256N crtg
94299	Phenolphthalein PP pk/100
94399	Bromocresol Green Methyl Red PP pk/100
98768	Dissolved Oxygen 3 PP pk/25
104633	Filtration Aid Soln 29 mL DB
181369	NitriVer® 2 PP (5 mL) pk/100
220999	PhosVer® 3 PP (5 mL) pk/100
244932	Sulfuric Acid, 5.25N 100 mL MDB
245032	Sodium Hydroxide, 5.0N (100 Tests)
1407699	DPD Total Chlorine PP (5 mL) pk/100
1436401	EDTA, 0.0800M crtg (TitraVer)
1438801	Sulfuric Acid, 0.1600N crtg
1438901	Sulfuric Acid, 1.600N crtg
1439301	Mercuric Nitrate, 0.2256N crtg
1439901	EDTA, 0.800M crtg (TitraVer)
1454599	Acid Reagent PP (5 mL) pk/100
1454699	Molybdate Reagent PP (5 mL) pk/100
1454999	Citric Acid PP (5 mL) pk/100
1496101	Iodate-Iodide, 0.3998N crtg
2275699	TPTZ Iron Reagent PP pk/25
Pool and Spa, #2234901, cube, bacterial growth	
21136	Phenol Red Indicator Soln 15 mL SCDB
2198246	DPD Total Chlorine pk/50
2197846	DPD Free Chlorine pk/50
2277700	Bacterial Count Tubes
Pool Master MG/L, #2315001, drop count, color disc	
21132	Phenol Red Indicator Soln 100 mL MDB
28232H	Potassium Hydroxide 8N 100 mL MDB
32332	Sodium Thiosulfate, 0.1N 100 mL MDB
94399	Bromocresol Green Methyl Red PP pk/100
94799	CalVer® 2 PP pk/100
246066	Cyanuric Acid 2 PP pk/50
1407699	DPD Total Chlorine PP (5 mL) pk/100
1407799	DPD Free Chlorine PP (5 mL) pk/100
2349732	Sulfuric Acid, 0.035N 100 mL
2349932	EDTA Titrant, 0.035N 100 mL MDB
Saltwater Master, #2068600, color cube	
1407899	NitriVer® 3 Reagent PP pk/100
2071649	Ammonia Reagent 2 PP pk/100
2073549	Ammonia Reagent 1 PP pk/100
2074846	Phenol Red Indicator PP pk/50
2076199	NitraVer® 6 Reagent PP pk/100

Continued on next page.

Replacement Reagents

Test Kit Replacement Parts & Reagent Reordering

For Application Test Kits

Product Number	Description
SIW-1, Soil and Irrigation Water,	
#2496000, drop count, color disc, Pocket Pal™ Testers	
2268732	Alkaline EDTA Soln 100 mL MDB
2227066	pH 7 Buffer PP pk/50
1232120	Calcium Sulfate Powder 20 g
2498132	EDTA, 0.0075 N 100 mL MDB
42432	Hardness 1 Buffer Soln, 100 mL MDB
141832	Hydrochloric Acid, 2.5 N 100 mL MDB
1434598	Lime Requirement Buffer PP pk/25
42532	ManVer® Hardness Indicator Soln 100 mL MDB
1403599	NitraVer® 5 PP (5 mL) pk/100
2415132	Nitrogen, Nitrate Standard Soln (15 mg/L) (100 Tests)
16232	Phenolphthalein Indicator, 100 mL SCDB
220999	PhosVer® 3 PP pk/100
1432298	Potassium 2 reagent Solution pillows pk/25
1432399	Potassium 3 PP pk/100
76401	Potassium Chloride 45g
2498032	Sodium Hydroxide Standard Solution, 100 mL MDB
2266349	Mehlich 2 Soil Extractant Concentrate 500 mL
Storm Water, SW-1, #2481300, pH, Chlorine, Copper, Phenol, Detergents	
42426	Hardness 1 Buffer Soln 59 mL SCDB
99949	Wash Water Buffer Soln 500 mL
105932	Detergents Test Soln (100 Tests)
700599	EDTA Reagent PP pk/100
1407699	DPD Total Chlorine PP 5 mL pk/100
1445849	Chloroform, ACS 500 mL
2084769	Potassium Persulfate PP pk/100
2227095	Buffer, pH 7.0 PP pk/15
2481569	Phenol Reagent PP pk/100
2118869	Hydrosulfite Reagent PP pk/100
2182369	Free Copper Reagent PP pk/100
STPL-WRT, Wastewater Treatment Plant, #188703	
2329332	Wide Range-4 pH Indicator 100 mL MDB
35732	Copper Sulfate-Sulfamic Acid 100 mL MDB
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
2408932	Sodium Thiosulfate 100 mL MDB
1407699	DPD Total Chlorine PP (5 mL) pk/100

Product Number	Description
Stream Survey Kit, #2712000	
27242	Water, Deionized 100 mL
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
212599	PhosVer® 3 PP (25 mL) pk/100
244932	Sulfuric Acid 5.25 N (100 Tests)
245032	Sodium Hydroxide 5.0 N (100 Tests)
245199	Potassium Persulfate PP pk/100
1407899	NitriVer® 3 PP (5 mL) pk/100
1412099	NitriVer® 6 PP (5 mL) pk/100
2395266	Ammonia Salicylate PP pk/50
2395466	Ammonia Cyanurate PP pk/50
2408932	Sodium Thiosulfate 0.0109 N (100 Tests)
104633	Filtration Aid Soln 29 mL
Surface Water Influence Laboratory, #4650100	
126936	Silicone Oil, 15 mL
246142	Formazin Turbidity Standard 4000 NTU 100 mL
Surface Water Test Kit, #2559800	
27242	Water, Deionized 100 mL
98199	Dissolved Oxygen 1 PP pk/100
98299	Dissolved Oxygen 2 PP pk/100
98799	Dissolved Oxygen 3 PP pk/100
220999	PhosVer® 3 PP (5 mL) pk/100
1403599	NitraVer® 5 PP (5 mL) pk/100
2197846	DPD Free Chlorine PP (5 mL) pk/100
2198246	DPD Total Chlorine PP (5 mL) pk/100
2395266	Ammonia Salicylate PP pk/50
2395466	Ammonia Cyanurate PP pk/50
2408932	Sodium Thiosulfate, 0.0109 N (100 Tests)

