

Thermo Scientific Orion AQUAfast® AQ3700 Colorimeter NEW

Featuring digestion tests for nitrogen, phosphate and COD

Reagents for AQ3700

Cat. No.	New Test	Range, mg/L	Reagent Type
AC3002AD	Acid demand pH 4.3	0.1 to 4	Tablet
AC3002M	Alkalinity-m	5 to 200	Tablet
AC3002P	Alkalinity-p	5 to 500	Tablet
AC4P27	Aluminum	0.01 to 0.25	Tablet & liquid
ACD012	Ammonia, LR	0.02 to 2.5	Thermal digestion tube
ACD011	Ammonia, HR	1 to 50	Thermal digestion tube
AC3089	Boron	0.1 to 2	Tablet
AC2070LQ	Chlorine	0.02 to 4	Liquid
AC3072	Chlorine total HR	5 to 200	Tablet
AC4P06	Cyanide	0.01 to 0.5	Liquid & powder
AC2098	Cyanuric acid	2 to 160	Tablet
AC3002AD	DEHA	0.02 to 0.5	Liquid & powder
AC4P88	DEHA	20 to 500	Liquid & powder
AC3032C	Hardness, calcium	50 to 900	Tablet
AC3032T	Hardness, total	2 to 50	Tablet
AC3032HR	Hardness, total HR	20 to 500	Tablet
AC4P30	Hydrazine	0.05 to 0.5	Powder & spoon
AC3030LQ	Hydrazine	0.01 to 0.6	Liquid
AC3069	Hydrogen peroxide	0.03 to 3	Tablet
AC3053	Iodine	0.05 to 3.6	Tablet
AC3078	Iron (II, III) soluble	0.02 to 1	Tablet
AC4P54	Manganese, LR	0.01 to 0.7	Powder & liquid
AC3042	Molybdate	1.0 to 50.0	Tablet
ACR007	Nitrate	1.0 to 30.0	Powder pack & reaction tube
AC4P46	Nitrite	0.01 to 0.3	Powder pack
ACD004	Nitrogen, total, LR	0.5 to 25	Powder pack & digestion tube
ACD007	Nitrogen, total, HR	5 to 150	Powder pack & digestion tube
AC4008LR	Oxygen, dissolved	0.01 to 0.8	Ampoule
AC3093	PHMB (biguanide)	2.0 to 60.0	Tablet
ACR095	Phosphate, ortho	0.06 to 5	Powder pack & reaction tube
ACD095AH	Phosphate, acid hydrolyzable	0.02 to 1.6	Powder pack & digestion tube
ACD095	Phosphate, total	0.02 to 1.1	Powder pack & digestion tube
AC3001BP	pH	5.2 to 6.8	Tablet
AC3001	pH	6.5 to 8.4	Liquid
AC3001TB	pH	8.0 to 9.6	Tablet
AC3019	Potassium	0 to 12	Tablet
AC4P60LR	Silica LR	0.1 to 1.6	Powder & liquid
AC3073	Sodium hypochlorite	0.2 to 16	Tablet
AC4P82	Sulfate	5 to 100	Powder pack
AC3013	Urea	0.1 to 3	Tablet & liquid

The AQUAfast 3700 is the newest addition to the colorimetry line. With over 70 pre-programmed method options, this IP67 waterproof portable meter offers liquid, powder and tablet tests for expanded ranges and test options. There are six wavelengths generated by the long life LEDs in the meter. This instrument has a graphical display that is easy to understand and can be used in English, Spanish, German, French, or Italian.

See pages 80-81 and 83-85 for additional AQ3700 reagents.



Specifications	Description
Incident Light Source	6 Light Emitting Diodes (LED)
Wavelengths	430, 530, 560, 580, 610, 660 nm
Photometric Precision	2 % full scale as measured with standard solutions
Photometric Resolution	+/- 0.005 Abs
Software	
Test Methods	Preprogrammed with user prompts and feedback, user's favorite list
Autoranging	Yes
Blank Capability	Per method
Test Reagent Formats	Powder, tablet, liquid, reagent tubes, acid digestion tubes
Datalog Points	Up to 1000, time and date stamp
New Method Upload Capability	Yes, via internal RJ45 port
Meter Hardware	
Display	Backlit, graphic display
Inputs	12 button numeric keypad, plus 3 function keys
Sample Required	10 mL
Sample Cells Accepted	24 mm sample vials and 13 mm ampoules and 16 mm tubes with adapters
Outputs	IRDA (adapter required)
Auto Shut Down	20 min after last key-press, wakes to last location
Power	4 AA batteries (>3000 tests)
Regulatory and Safety	CE
Environmental Conditions	5 to 40 °C (30 to 90% non-condensing at 30 °C)
Meter Waterproof Rating	IP67
Warranty	2 years

Ordering Information

Cat. No.	Description
AQ3700	Meter kit includes AQ3700 meter, 4 batteries, 4 vials (24 mm), 3 vials (16 mm), 1 adapter each for 16 mm and 13 mm vials, carrying case, user guide with test methods, tablet tampering stir rod and brush. Order Starter Kits and/or Reagents and IR Adapter Separately.

See page 80 for AQ3700 accessories.

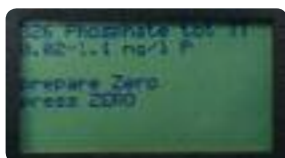
Thermo Scientific Orion Digestion Test Reagents NEW



AQUAfast AQ3700 Meter



Total nitrogen LR test



Total phosphate test

Tube digestions for nitrogen and phosphate nutrient removal process monitoring

The benefit of efficient operation is important to all production facilities, no matter what they make. By optimizing the process in wastewater treatment, the dirty water can move to the next stage of the process at the perfect time – not prior to the being fully treated and not overtreated. Overtreatment wastes chemicals and slows down the processing. Undertreatment can cause problems if the discharge does not meet the permit levels. Typically total nitrogen and total phosphate and other digestions were very long reflux digestion processes with expensive glassware. Now the results can be ready in an hour or so using persulfate digestion tube methods. This greatly improves the turnaround time for the results. These in process checks of the nutrient removal status can ensure you are on track for the final levels you need to attain or give you timely information to correct the process.

With the AQ3700 meter, total nitrogen and total phosphate tube digestion tests are now available. The kit includes the reagents and accessories for the test.

If you are already testing COD levels, you can quickly add these important tests and start reaping the benefits!

Overview of nitrogen and phosphorus methods

- Persulfate digestion for nitrogen; persulfate/ascorbic acid digestion for phosphorus
- Nitrogen tests require two tubes – one for a blank and one for the test; phosphate test needs just one tube for the blank and test
- 100 °C digestion temperature for 30 minutes and let cool about 10 more minutes for additional reagent reaction times
- AQUAfast COD digestors have the temperatures needed for nitrogen and phosphate tests

Nitrogen

Cat. No.	Description	Quantity
ACD004	Total nitrogen LR reagents (0.5 to 25 mg/L)	50 tests
ACD007	Total nitrogen HR reagents (5 to 150 mg/L)	50 tests
AC2V16	16 mm vials	

Phosphate

Cat. No.	Description	Quantity
ACD095	Total phosphorous reagents (0.02 to 1.1 mg/L)	50 tests
AC2V16	16 mm vials	

Accessories for AQ3700 Meter

Cat. No.	Description
AC2V16	Replacement 16 mm vials, package of 10
AC2V24	Replacement 24 mm vials, package of 12
AC37SR24	Sealing ring for 24 mm vial, package of 12
AC37A16	Replacement 16 mm adapter for AQ3700
AC37A13	Replacement 13 mm adapter for AQ3700
AC3R0D	Stir rod, package of 10
AC3CBR	Cleaning brush, package of 10
AC3VSK	Meter verification check standards kit
AQ37IRIM	IR data transfer interface module

Thermo Scientific Orion COD Test Systems

COD testing correlated to BOD readings can save time and money



AQ4000 Meter



COD Reactor, Test Reagents and Standards with AQ4000 Meter

- Ideal for environmental and wastewater monitoring with EPA accepted methods
- Three ranges of COD reagents
- New bulk COD reagent packs for added convenience
- COD reactor can digest up to 25 samples simultaneously in 2 hours or less and meet fast COD temperature requirements
- Works with the new AQ3700 multiparameter colorimeter, the AQ4000 advanced colorimeter or the economical AQ2040 colorimeter kit
- Datalogging and GLP features
- Bidirectional RS232 interface on AQ4000
- IR Interface on AQ3700 (IRDA required)
- Compatibility with 13, 16 and 24 mm diameter vials
- IP67 waterproof housing
- 2 year warranty

The AQ2040 colorimeter offers:

- Low-cost, dedicated colorimeter design for COD testing
- Measures all three COD ranges
- 1 year warranty

Just add the sample to the COD vial, digest sample in the reactor and read results with your AQUAfast colorimeter.

The AQ4000 and AQ3700 colorimeters offer:

- Pre-programmed methods for water quality testing
- Multiple wavelength and more test options

Please visit www.thermo.com/water for more product, methods information and method approval letters from EPA.

The AQ4000 and AQ3700 colorimeters support additional tests, including chlorine, fluoride and ammonia (see pages 79-85).

Select One Meter

Cat. No.	Description
AQ4000	AQUAfast AQ4000 advanced colorimeter with COD
AQ2040	AQUAfast II dedicated COD meter
AQ3700	AQUAfast AQ3700 colorimeter with COD, total nitrogen and total phosphate

Order Digester

Cat. No.	Description
COD125	AQUAfast thermoreactor for digestion methods to 150 °C
COD165	AQUAfast thermoreactor for digestion methods to 165 °C

Select Your Test Reagents by Range and Quantity

Cat. No.	Range	No. of Vials	EPA Approved
CODL00	0 to 150 ppm	25	Yes
CODL00B1	0 to 150 ppm	100	Yes
CODL00B3	0 to 150 ppm	300	Yes
CODH00	0 to 1500 ppm	25	Yes
CODH00B1	0 to 1500 ppm	100	Yes
CODH00B3	0 to 1500 ppm	300	Yes
CODHPO	0 to 15000 ppm	25	No requirement

Select a Standard

Cat. No.	Description
CODS01	AQUAfast 1000 ppm COD standard, 475 mL
CODS10	AQUAfast 10000 ppm COD standard, 475 mL

Thermo Scientific Orion AQUAfast® AQ4000 Colorimeter

The most advanced microprocessor-based LED colorimeter on the market today!



Versatile AQ4000 Meter

The AQ4000 colorimeter stores up to 189 pre-programmed methods and can record 100 data points in the field with a time and date stamp. Download later to a printer or computer in the lab.

The AQ4000 colorimeter takes all the guesswork out of sample preparation with the Auto-Test™ ampoules and the exclusive Auto-ID™ feature.

Quality of the measurement is assured since the ampoules are only opened when a measurement is about to be taken.

- **Auto-ID:** Automatically identifies the species to be measured, selects the method and the wavelength plus initiates the method – no buttons to push!
- **Auto-Test Ampoules:** Pre-measured liquid reagent ampoules are specially designed to work with the AQ4000

Selection of display units is push-button easy

Choose from concentration, absorbance or percent transmittance. The AQ4000 accepts round vials with diameters of 13, 16 or 24 mm. Best of all, the AQ4000 carries a full two year warranty.

Use the AQ4000 with our tablets or powders


- **Tablets:** Quick dissolve tablets that are easy to add to the sample. Tablets can be used with the AQUAfast II and IV colorimeters.
- **Powders:** Pre-measured and ready-to-use packets. Just add the packet to the sample, allow it to dissolve and then take your measurement. Powders can be used with any colorimeter on the market.
- **COD Reagents:** Available in three measurement ranges – low, mid and high range.

Updating the AQ4000 with new methods is simple


The latest software updates are available at www.thermo.com/water. A simple download procedure updates the colorimeter with the most current programs in a few quick, easy steps.

See pages 84 and 85 for reagent chemistries that you can use with the AQ4000 colorimeter.

AQ4000 Colorimeter and Accessories

Cat. No.	Description
AQ4000	AQUAfast IV colorimeter only (order reagents separately)
AQ40FK	Field case to carry AQ4000 meter, accessories and reagents
AQ4EK1 	Choice clean water kit featuring the AQ4000
AQ4CBL	RS232 cable for data download and software updates
AQ4ZER	AQUAfast zero kit
AC2V16	16 mm vials, 10 pack
AC2V24	24 mm vials, 12 pack

AQII Series Accessories

Cat. No.	Description
AC2V16	16 mm replacement vials, 10 pack
AC2V24	24 mm replacement vials, 12 pack
AC2T24	24 mm replacement turbidity vials, 12 pack
AC2073 	Chlorine secondary reference standards kit for AQ2070
AC201S	Turbidity standards for AQ2010



Signifies a hazardous solution. See terms and conditions for important shipping information at www.thermo.com/water.

Thermo Scientific Orion AQUAfast® Chemistries Overview

For many of the parameters, there are several different choices of reagents in the AQUAfast line. Each offers a variety of beneficial features beyond test range.

Auto-ID™ Ampoules

Auto-ID ampoules for our AQ4000 colorimeter offer minimal user intervention – the vial contains the reagents, the vial pulls the proper amount of the sample into the vial, and the first in a portable colorimeter Auto-ID label selects and starts the test in the AQ4000. When the test is completed, the results are available for viewing and download. No chemical handling or sample pipeting, plus no pushing buttons, which minimizes errors! The liquid remains in the vial for easy transport back to the lab for disposal. What could be simpler! With proper storage, most ampoules have a shelf life of a year or more.

Powder Packets

AQUAfast powder chemistry packs allow for easy and cleaner measurements. We have a wide range of EPA equivalent chemistries

available. Each powder chemistry comes with enough packs to do 100 tests. Powder packs are pre-measured reagents that are ready to use. The steps of the test method are already pre-programmed into the more advanced AQUAfast colorimeters such as AQ4000 and AQ3700. For added convenience, powder packs can be used on other manufacturers' colorimeters. With proper storage, powders have a five year shelf life.

Tablets

Convenient tablets are individually packaged to minimize handling. They can be pushed out of the foil directly into the sample vial so you do not touch the reagent chemical. A tablet crushing stir rod is used to mix and quickly dissolve the tablet for the measurement. The tablets have a long shelf life – many maintain their activity for 10 years.

Liquids

Some reagent methods such as the SPADNS fluoride test kit and pH indicator reagents are liquids that are added to the sample. The

SPADNS test follows the EPA method and our pH reagents are a phenol red indicator to determine the pH quickly. The sample's pH is very important for the formation of the colored species being tested.

Digestion Test Reagents

COD, total nitrogen and total phosphate digestion methods also are liquids that are sold in 16 mm tubes. Just add the sample, digestion in a thermoreactor and after the reaction with the reagent, the measurements are taken in the 16 mm tubes used in the preparation steps. Similar to digestion tubes, reaction tubes do not require a digester to heat the samples for the reaction to occur. We also offer COD and other standards to be used for spiking the samples.

The AQUAfast line of products offers choices for sample preparation to maximize your testing efficiency.

Convenient Reagent Starter Kits for AQUAfast AQ3700

Drinking Water – Chloramines: Cat. No. AC3K01				
Cat. No.	Parameter	Tests	Format	Ranges mg/L
AC3072	Total chlorine HR	100	Tablet	5 to 200
AC4P72	Total chlorine LR	100	Powder pack	0.02 to 2
AC4P29	Copper	100	Powder pack	0.05 to 5
ACR007	Nitrate	100	Reaction tube	1 to 30
AC2046	Nitrite	100	Tablet	0.01 to 0.5
ACD012	Free ammonia LR	100	Thermal digestion tube	0.02 to 2.5
AC2070	Monochloramine	50	Tablet	0.02 to 2
AC2009	Fluoride	50	Reaction tube	0.2 to 1.4

Nutrients Reagents: Cat. No. AC3K04				
Cat. No.	Parameter	Tests	Format	Ranges mg/L
ACD004	Total nitrogen LR	50	Thermal digestion tube	0.2 to 25
ACD095	Total phosphorous LR	50	Thermal digestion tube	0.02 to 1.6
AC4P95	Reactive phosphorous	100	Powder pillow	0.06 to 2.5
ACD011	Free ammonia HR	50	Thermal digestion tube	1 to 50
ACR007	Nitrate	50	Reaction tube	1 to 30
AC2046	Nitrite	100	Tablet	0.01 to 0.5

Wastewater Systems: Cat. No. AC3K03				
Cat. No.	Parameter	Tests	Format	Ranges mg/L
AC3072	Total chlorine LR	100	Tablet	5 to 200
AC2095	Phosphate	100	Tablet	0.05 to 4
AC4P82	Sulfate	100	Powder pack	5 to 100
ACR007	Nitrate	100	Reaction tube	1 to 30
AC2046	Nitrite	100	Tablet	0.01 to 0.5
AC4012	Free ammonia LR	50	Ampoule	0.5 to 7

Drinking Water - Free Chlorines: Cat. No. AC3K02				
Cat. No.	Parameter	Tests	Format	Ranges mg/L
AC4P71	Free Chlorine HR	100	Powder pack	0.02 to 2
AC4P72	Total Chlorine LR	100	Powder pack	0.02 to 2
AC4078	Iron	100	Ampoule	0.2 to 6
ACR007	Nitrate	100	Reaction tube	1 to 30
AC4055	Manganese	100	Ampoule	1.0 to 30
AC2009	Fluoride	50	Reaction tube	0.2 to 1.4

Thermo Scientific Orion AQUAfast® Colorimeter Reagent Chemistries

Parameter	Reagent Type	Catalog Number	Description	Range	Method	Number of Tests	Meter Models	EPA Approved Methods
Alkalinity-m	Tablet	AC2002	AQUAfast II Alkalinity-m	5.0 - 200 mg/L	Acid/Indicator	100	AQ4000, AQ3700, AQ2001	-
Aluminum	Auto-Test Ampoule	AC4027	AQUAfast IV Aluminum	0.04 - 0.25 mg/L	Eriochrome Cyanine R	30	AQ4000	WW Equivalent
	Tablet	AC2027	AQUAfast II Aluminum	0.05 - 0.30 mg/L	Eriochrome Cyanine R	50	AQ4000, AQ3700, AQ2005, AQ2020	WW Equivalent
Ammonia (Nitrogen)	Powder	AC4P12	AQUAfast Ammonia-Nitrogen, Powder	0.1 - 0.50 mg/L	Salicylate	100	AQ4000, AQ3700	-
	Auto-Test Ampoule	AC4010	AQUAfast IV Ammonia (Ultra Low Range)	0.10 - 3.0 mg/L	Salicylate	30	AQ4000	-
	Auto-Test Ampoule	AC4012	AQUAfast IV Ammonia (Low Range)	0.5 - 7.0 mg/L	Nesslerization	30	AQ4000	WW Equivalent
	Auto-Test Ampoule	AC4011	AQUAfast IV Ammonia (High Range)	1.0 - 14 mg/L	Nesslerization	30	AQ4000	WW Equivalent
	Tablet	AC2012	AQUAfast II Ammonia, as Nitrogen	0.05 - 1.0 mg/L; 0.5 - 10.0 mg/L	Indophenole/phenate	50	AQ4000, AQ3700, AQ2004	WW Equivalent
Bromine	Auto-Test Ampoule	AC4035	AQUAfast IV Bromine	0.75 - 9.0 mg/L	DPD	30	AQ4000	No requirement
	Tablet	AC2035	AQUAfast II Bromine	0.1 - 13.5 mg/L	DDPD	100	AQ3700, AQ2005	No requirement
Chloride	Auto-Test Ampoule	AC4017	AQUAfast IV Chloride	2.0 - 40 mg/L	Mercuric Nitrate	30	AQ4000	-
	Tablet	AC2017	AQUAfast II Chloride	0.5 - 25 mg/L	Silver nitrate/turbidity	50	AQ4000, AQ3700, AQ2005	-
Chlorine Dioxide	Auto-Test Ampoule	AC4099	AQUAfast IV Chlorine Dioxide	0.80 - 12 mg/L	DPD	30	AQ4000	No requirement
	Tablet	AC2099	AQUAfast II Chlorine Dioxide	0.04 - 2.8 mg/L	DPD	100	AQ4000, AQ3070, AQ3700, AQ2020	No requirement
Chlorine	Powder	AC4P71	AQUAfast Chlorine, Free, DPD, Powder Packets, EPA-approved Method	0.03 - 2.00 mg/L	DPD	100	AQ4000, AQ3070	DW
	Powder	AC4P71B	AQUAfast Chlorine, Free, Powder Packets Bulk Packaging, EPA-approved Method	0.03 - 2.00 mg/L	DPD	1000	AQ4000, AQ3070	DW
	Tablet	AC2071	AQUAfast II Chlorine, DPD, Free Only	0.05 - 6.0 mg/L	DPD	100	AQ4000, AQ2070	-
	Auto-Test Ampoule	AC4070	AQUAfast IV Chlorine, Free and Total, EPA-approved Method	0.05 - 6.0 mg/L	DPD	30	AQ4000	DW
	Tablet	AC2070	AQUAfast II Chlorine, Free and Total	0.05 - 6.0 mg/L	DPD	50 each	AQ4000, AQ3700, AQ2070, AQ2020	-
	Powder	AC4P72	AQUAfast Chlorine, Total, DPD, Powder Packets, EPA-approved Method	0.03 - 2.00 mg/L	DPD	100	AQ4000, AQ3070	DW & WW
	Powder	AC4P72B	AQUAfast Chlorine, Total, Powder Packets Bulk Packaging, EPA-approved Method	0.03 - 2.00 mg/L	DPD	1000	AQ4000, AQ3070	DW & WW
	Tablet	AC2072	AQUAfast II Chlorine, Total, EPA-approved Method	0.05 - 6.0 mg/L	DPD	50	AQ4000, AQ3700, AQ2070	DW & WW
Copper	Powder	AC4P29	AQUAfast Copper, Bicinchoninate, Powder	0.05 - 5.00 mg/L	Bicinchoninate	100	AQ4000, AQ3700	WW Equivalent
	Auto-Test Ampoule	AC4029	AQUAfast IV Copper (Soluble)	0.5 - 12 mg/L	Bathocuproine	30	AQ4000	WW Equivalent
	Tablet	AC2065	AQUAfast II Zinc/Copper	0.02 - 1.0 mg/L	Zincon	50	AQ4000, AQ3700, AQ2002	-
	Tablet	AC2029	AQUAfast II Copper	0.05 - 5.0 mg/L	Biquinoline	50	AQ4000, AQ3700, AQ2005	-
Cyanide	Auto-Test Ampoule	AC4006	AQUAfast IV Cyanide (Free)	0.20 - 0.50 mg/L	Pyridine-barbituric acid	30	AQ4000, AQ3700	ETV Verified, DW & WW Equivalent
Cyanuric Acid	Tablet	AC2098	AQUAfast II Cyanuric Acid	5 - 90 mg/L	Melamine	100	AQ3070, AQ3700, AQ2003	No requirement
Fluoride	Auto-Test Ampoule	AC4009	AQUAfast IV Fluoride SPADNS	0.20 - 2.0 mg/L	SPADNS	30	AQ4000	DW & WW
	Liquid	AC2009	AQUAfast II Fluoride SPADNS Kit, EPA-approved Method	0.05 - 20 mg/L	SPADNS	50	AQ4000, AQ3700, AQ2009, AQ2020	DW & WW
Hydrazine	Auto-Test Ampoule	AC4030	AQUAfast IV Hydrazine	0.10 - 1.2 mg/L	PDMAB	30	AQ4000, AQ3700	No requirement
	Tablet	AC2030	AQUAfast II Hydrazine Kit	0.05 - 0.50 mg/L	Dimethylamino-benzaldehyde	100	AQ4000, AQ2003	No requirement

Parameter	Reagent Type	Catalog Number	Description	Range	Method	Number of Tests	Meter Models	EPA Approved Methods
Iron	Powder	AC4P79	AQUAfast Iron Total TPTZ, Powder	0 - 1.80 mg/L	TPTZ	100	AQ4000, AQ3700	-
	Powder	AC4P78	AQUAfast Iron Total Ferro, Powder	0 - 3.00 mg/L	1,10 Phenanthroline	100	AQ3700	WW Equivalent
	Auto-Test Ampoule	AC4078	AQUAfast IV Iron 1 (Total & Soluble)	0.45 - 7.0 mg/L	1,10 Phenanthroline	30	AQ4000	WW Equivalent
	Tablet	AC2078	AQUAfast II Iron	0.02 - 1.0 mg/L; 0.2 - 10 mg/L	TPTZ	100	AQ4000, AQ3700, AQ2005	-
Manganese	Powder	AC4P55	AQUAfast Manganese HR, Powder	0.2 - 20.0 mg/L	Periodate Oxidation	100	AQ4000	WW Equivalent
	Auto-Test Ampoule	AC4055	AQUAfast IV Manganese	1.0 - 30 mg/L	Periodate Oxidation	30	AQ4000	WW Equivalent
	Tablet	AC2055	AQUAfast II Manganese	0.05 - 4 mg/L	Formaloxime	50	AQ4000, AQ3700, AQ2003	-
Molybdate	Powder	AC4P42	AQUAfast Molybdenum, Molybdate, HR, Powder	0 - 40.0 mg/L	Mercaptoacetic acid	100	AQ4000, AQ3700	-
	Auto-Test Ampoule	AC4042	AQUAfast IV Molybdate	1.0 - 25 mg/L	Catechol	30	AQ4000	-
Nitrate	Auto-Test Ampoule	AC4007	AQUAfast IV Nitrate 3 (as NO ₃)	5.0 - 50 mg/L	Cadmium reduction	30	AQ4000	DW & WW Equivalent
	Auto-Test Ampoule	AC4005	AQUAfast IV Nitrate 2 (as N)	0.40 - 3.0 mg/L	Cadmium reduction	30	AQ4000	DW & WW Equivalent
	Auto-Test Ampoule	AC4004	AQUAfast IV Nitrate (as N) LR	0.20 - 1.5 mg/L	Cadmium reduction	30	AQ4000	DW & WW Equivalent
	Tablet	AC2007	AQUAfast II Nitrate	1 - 40 mg/L	Zinc reduction	50	AQ4000, AQ2007	-
Nitrite	Powder	AC4P46	AQUAfast Nitrite LR, Powder	0 - 0.350 mg/L	Diazotization (Azo)	100	AQ4000, AQ3700	DW & WW Equivalent
	Auto-Test Ampoule	AC4046	AQUAfast IV Nitrite	0.080 - 0.80 mg/L	Diazotization (Azo)	30	AQ4000	DW & WW Equivalent
	Tablet	AC2046	AQUAfast II Nitrite, EPA-approved Method	0.05 - 0.50 mg/L	Diazotization (Azo)	100	AQ4000, AQ3700, AQ2046	DW & WW
Oxygen	Auto-Test Ampoule	AC4008	AQUAfast IV Oxygen	2.0 - 15 mg/L	Azo dye	30	AQ4000	-
Ozone	Auto-Test Ampoule	AC4048	AQUAfast IV Ozone	0.20 - 2.5 mg/L	DDPD	30	AQ4000	-
	Tablet	AC2048	AQUAfast II Ozone	0.05 - 0.5 mg/L	DPD/Glycine	100	AQ3700, AQ2001	-
pH	Liquid	AC3001	AQUAfast II pH, Dropper bottle	5.9 - 8.2	Phenol red	30	AQ3070, AQ3700	-
	Tablet	AC2001	AQUAfast II pH	6.5 - 8.4	Phenol red	100	AQ4000, AQ3700, AQ2001	-
Phosphate	Powder	AC4P95	AQUAfast Phosphorus 3, Powder	0.07 - 2.5 mg/L	Phosphormolybdic blue/Ascorbic acid	100	AQ4000, AQ3700	DW & WW Equivalent
	Auto-Test Ampoule	AC4096	AQUAfast IV Phosphate 1-HR	5.0 - 80 mg/L	Vanado molybdate	30	AQ4000, AQ3700	-
	Auto-Test Ampoule	AC4095	AQUAfast IV Phosphate 2-LR	0.75 - 8.0 mg/L	Stannous chloride	30	AQ4000, AQ3700	-
	Tablet	AC2096	AQUAfast II Phosphorus HR	10 - 100 mg/L	Phosphormolybdic blue/Ascorbic acid	50	AQ4000, AQ3700, AQ2003	DW & WW Equivalent
	Tablet	AC2095	AQUAfast II Phosphorus LR, EPA Approval Method	0.05 - 4.0 mg/L	Vanado Molybdate	50	AQ4000, AQ3700, AQ2004	DW & WW
Silica	Powder	AC4P60	AQUAfast Silica HR, Powder Packets	1.0 - 75.0 mg/L	Silicomolybdate	100	AQ4000, AQ3700	DW & WW Equivalent
	Auto-Test Ampoule	AC4060	AQUAfast IV Silica	1.0 - 14 mg/L	Heteropoly Blue	30	AQ4000	DW Equivalent
	Powder	AC2061	AQUAfast II Silica Phosphate Removal	NA	NA	100	AQ4000, AQ3700, AQ2002	-
	Tablet	AC2060	AQUAfast II Silica	0.05 - 4.0 mg/L	Silicomolybdate	50	AQ4000, AQ3700, AQ2002	DW & WW Equivalent
Sulfate	Powder	AC4P82	AQUAfast Sulfate 4, Powder Packets	2 - 70 mg/L	Barium sulfate/Turbidity	100	AQ4000, AQ3700	DW & WW Equivalent
	Auto-Test Ampoule	AC4082	AQUAfast IV Sulfate	8.0 - 100 mg/L	Barium sulfate/Turbidity	30	AQ4000	DW & WW Equivalent
	Tablet	AC2082	AQUAfast II Sulfate	5 - 200 mg/L	Barium sulfate/Turbidity	100	AQ4000, AQ3700, AQ2005	DW & WW Equivalent
Sulfide	Auto-Test Ampoule	AC4016	AQUAfast IV Sulfide (Soluble)	0.3 - 3.0 mg/L	Methylene Blue	30	AQ4000	WW Equivalent
	Tablet	AC2016	AQUAfast II Sulfide	0.05 - 0.50 mg/L	Methylene Blue	50	AQ4000, AQ3700, AQ2004	WW Equivalent
Zinc	Auto-Test Ampoule	AC4065	AQUAfast IV Zinc	0.30 - 3.0 mg/L	Zincon	30	AQ4000	WW Equivalent
	Tablet	AC2065	AQUAfast IV Zinc/Copper	0.02 - 1.0 mg/L	Zincon	50	AQ4000, AQ3700, AQ2002	WW Equivalent