

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, 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

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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