

Thermo Scientific Orion AQUAfast Reagent Chemistries

Parameter	Cat. Number	Description	Reagent Type	Range	No. of Tests	AQ8000	AQ7000	AQ4000	AQ3700	AQ3070
Alkalinity	AC2002	Alkalinity-M, Acid/Indicator Method	Tablet	5 - 200 mg/L	100	•	•	•	•	
	AC3002P	Alkalinity-P, Acid/Indicator Method	Tablet	5 - 500 mg/L	100	•	•		•	
Aluminum	AC2027	Aluminum, Eriochrome Cyanine R Method	Tablet	0.01 - 0.3 mg/L	50	•	•	•	•	
	AC4027	Aluminum, Eriochrome Cyanine R Method	Ampoule	0.04 - 0.25 mg/L	30			•		
	AC4P27	Aluminum, Eriochrome Cyanine R Method	Powder & Liquid	0.01 - 0.25 mg/L	100	•	•		•	
Ammonia	AC2012	Ammonia as Nitrogen (N), Indophenole/Phenate Method	Tablet	0.02 - 1 mg/L	50	•	•	•	•	
	AC4010	Ammonia as Nitrogen (N), Ultra Low Range, Salicylate Method	Ampoule	0.2 - 30 mg/L	30			•		
	AC4011	Ammonia as Nitrogen (N), High Range, Nesslerization Method	Ampoule	1 - 14 mg/L	30			•		
	AC4012	Ammonia as Nitrogen (N), Low Range, Nesslerization Method	Ampoule	0.5 - 7 mg/L	30			•		
	AC4P12	Ammonia as Nitrogen (N), Salicylate Method	Powder	0.01 - 0.8 mg/L	100	•	•	•	•	
	ACR011	Ammonia as Nitrogen (N), High Range, Salicylate Method	Reaction Tube	1 - 50 mg/L	50	•	•		•	
Bromine	ACR012	Ammonia as Nitrogen (N), Low Range, Salicylate Method	Reaction Tube	0.02 - 2.5 mg/L	50	•	•		•	
	AC2035	Bromine, DPD Method	Tablet	0.05 - 13 mg/L	100	•	•		•	
Chloride	AC2017	Chloride, Silver Nitrate/Turbidity Method	Tablet	0.5 - 25 mg/L	50	•	•	•	•	
	AC4017	Chloride, Ferric Thiocyanate Method	Ampoule	2.5 - 40 mg/L	30			•		
Chlorine	AC2070	Chlorine, Free & Total, DPD Method	Tablet	0.01 - 6 mg/L	100	•	•	•	•	
	AC2071	Chlorine, Free, DPD Method	Tablet	0.01 - 6 mg/L	100	•	•	•	•	
	AC2072	Chlorine, Total, DPD Method	Tablet	0.01 - 6 mg/L	100	•	•	•	•	
	AC3072	Chlorine, Total, High Range, KI / Acid Method	Tablet	5 - 200 mg/L	100	•	•		•	
	AC4070	Chlorine, Free & Total, DPD Method	Ampoule	0.4 - 5 mg/L	30			•		
	AC4P71	Chlorine, Free, DPD Method	Powder	0.02 - 2 mg/L	100	•	•	•	•	•
Chlorine Dioxide	AC4P72	Chlorine, Total, DPD Method	Powder	0.02 - 2 mg/L	100	•	•	•	•	•
	AC2099	Chlorine Dioxide, DPD Method	Tablet	0.05 - 11 mg/L	100	•	•	•	•	•
COD	AC4099	Chlorine Dioxide, DPD Method	Ampoule	0.8 - 11 mg/L	30			•		
	CODL00	COD, Low Range, Dichromate Reactor Digestion Method	Digestion Tube	0 - 150 mg/L	25	•	•	•	•	
	CODH00	COD, Mid Range, Dichromate Reactor Digestion Method	Digestion Tube	0 - 1500 mg/L	25	•	•	•	•	
Copper	CODHP0	COD, High Range, Dichromate Reactor Digestion Method	Digestion Tube	0 - 15000 mg/L	25	•	•	•	•	
	AC2029	Copper, Free & Total, Biquinoline Method	Tablet	0.05 - 5 mg/L	50	•	•	•	•	
	AC2065	Copper, Zincon Method	Tablet	0.02 - 1 mg/L	50	•	•	•	•	
	AC4029	Copper, Soluble, Bathocuproine Method	Ampoule	0.5 - 12 mg/L	30			•		
Cyanide	AC4P29	Copper, Free, Bicinchoninate Method	Powder	0.05 - 5 mg/L	100	•	•	•	•	
	AC4006	Cyanide, Free, Isonicotinic-Barbituric Acid Method	Ampoule	0.04 - 0.4 mg/L	30			•		
Cyanuric Acid	AC2098	Cyanuric Acid, Melamine Method	Tablet	5 - 90 mg/L	100	•	•		•	•
Fluoride	AC2009	Fluoride, SPADNS Kit Method	Liquid	0.05 - 2 mg/L	50	•	•	•	•	
	AC3032C	Hardness, Calcium, High Range, Murexide Method	Tablet	50 - 900 mg/L	100				•	
Hardness	AC3032C2	Hardness, Calcium, Low Range, Murexide Method	Tablet	0 - 500 mg/L	100				•	
	AC3032T	Hardness, Total, Metallphthalein Method	Tablet	2 - 50 mg/L	100	•	•		•	
Hydrazine	AC2030	Hydrazine, Dimethylamino-benzaldehyde Method	Powder	0.05 - 0.5 mg/L	100	•	•	•	•	
Iron	AC2078	Iron, Low Range, III, Soluble, TPTZ Method	Tablet	0.01 - 1 mg/L	100	•	•	•	•	
	AC4078	Iron, Total & Soluble, Phenanthroline Method	Ampoule	0.2 - 6 mg/L	30			•		
	AC4P78	Iron, II & III, Soluble, 1,10-Phenanthroline Method	Powder	0.02 - 3 mg/L	100	•	•	•	•	
	AC4P79	Iron, Total, TPTZ Method	Powder	0.02 - 1.8 mg/L	100	•	•	•	•	

Parameter	Cat. Number	Description	Reagent Type	Range	No. of Tests	AQ8000	AQ7000	AQ4000	AQ3700	AQ3070
Manganese	AC2055	Manganese, Formaldoxime Method	Tablet	0.2 - 4 mg/L	50	•	•	•	•	
	AC4055	Manganese, Periodate Method	Ampoule	2 - 30 mg/L	30			•		
	AC4P54	Manganese, Low Range, PAN Method	Powder & Liquid	0.01 - 0.7 mg/L	100	•	•		•	
Molybdate/ Molybdenum	AC4P55	Manganese, High Range, Periodate Oxidation Method	Powder	0.1 - 18 mg/L	100	•	•	•	•	
	AC4P42	Molybdate / Molybdenum, Mercaptoacetic Acid Method	Powder	0.3 - 40 mg/L	100	•	•	•	•	
Nitrate	AC2007	Nitrate as Nitrogen (N), Zinc Reduction Method	Tablet	1 - 40 mg/L	50			•		
	ACR007	Nitrate as Nitrogen (N), Chromotropic Acid Method	Reaction Tube	1 - 30 mg/L	50	•	•		•	
	AC4004	Nitrate as Nitrogen (N), Low Range, Cadmium reduction Method	Ampoule	0.2 - 1.5 mg/L	30			•		
	AC4005	Nitrate as Nitrogen (N), Cadmium Reduction Method	Ampoule	0.4 - 3 mg/L	30			•		
Nitrite	AC4007	Nitrate, Cadmium Reduction Method	Ampoule	5 - 50 mg/L	30			•		
	AC2046	Nitrite as Nitrogen (N), Diazotization (Azo) Method	Tablet	0.01 - 0.5 mg/L	100	•	•	•	•	
	AC4P46	Nitrite as Nitrogen (N), Low Range, Diazotization (Azo) Method	Powder	0.01 - 0.3 mg/L	100	•	•	•	•	
Nitrogen, Total	AC4046	Nitrite as Nitrogen (N), Azo Dye Formation Method	Ampoule	0.08 - 0.8 mg/L	30			•		
	ACD004	Nitrogen, Total, Low Range, Persulfate Digestion Method	Digestion Tube	0.5 - 25 mg/L	50	•	•		•	
Oxygen	ACD007	Nitrogen, Total, High Range, Persulfate Digestion Method	Digestion Tube	5 - 150 mg/L	50	•	•		•	
	AC4008	Oxygen, Indigo Carmine Method	Ampoule	2 - 15 mg/L	30			•		
Ozone	AC2048	Ozone, Indigo Blue Method	Tablet	0.05 - 0.5 mg/L	100	•	•			
	AC4048	Ozone, DPD Method	Ampoule	0.2 - 5 mg/L	30			•		
pH	AC2001	pH, Phenol Red Method	Tablet	6.5 - 8.4	100	•	•	•	•	
	AC3001	pH, Phenol Red Method	Liquid	6.5 - 8.4	30	•	•		•	•
	AC3001TB	pH, Thymol Blue Method	Tablet	8.0 - 9.6	100				•	
Phosphate	AC2095-WA	Phosphate, Ortho, Low Range, Phosphomolybdic Acid/ Ascorbic Acid Method	Tablet	0.05 - 4 mg/L	50	•	•	•	•	
	AC2096	Phosphate, Ortho, High Range, Vanadomolybdate Method	Tablet	1 - 80 mg/L	50	•	•	•	•	
	AC4095	Phosphate, Ortho, Stannous Chloride Method	Ampoule	0.3 - 8 mg/L	30			•		
	AC4P95	Phosphate, Ortho, Ascorbic Acid Method	Powder	0.06 - 2.5 mg/L	100	•	•	•	•	
	ACD095	Phosphate as Phosphorous (P), Total, Persulfate Digestion/Ascorbic Acid Method	Digestion Tube	0.02 - 1.1 mg/L	50	•	•		•	
	ACD095AH	Phosphate as Phosphorous (P), Acid Hydrolyzable, Acid Digestion/Ascorbic Acid Method	Digestion Tube	0.02 - 1.6 mg/L	50	•	•		•	
Silica	ACR095	Phosphate, Ortho, Ascorbic Acid Method	Reaction Tube	0.06 - 5 mg/L	50	•	•		•	
	AC2060	Silica, Silicomolybdate, Heteropoly Blue Method	Tablet	0.05 - 4 mg/L	50	•	•	•	•	
	AC2061	Silica, Silicomolybdate, Heteropoly Blue Method with Phosphate Removal	Tablet	0.05 - 4 mg/L	100	•	•	•	•	
	AC4060	Silica, Heteropoly Blue Method	Ampoule	0.5 - 10 mg/L	30			•		
Sodium Hypochlorite	AC4P60	Silica, High Range, Silicomolybdate Method	Powder	1 - 90 mg/L	100	•	•	•	•	
	AC3072	Sodium Hypochlorite, Potassium Iodide Method	Tablet	0.2 - 16 %	100				•	
Sulfate	AC2082	Sulfate, Barium Sulfate/Turbidity Method	Tablet	5 - 200 mg/L	100			•	•	
	AC4082	Sulfate, Barium Sulfate/Turbidity Method	Ampoule	8 - 100 mg/L	30			•		
Sulfide	AC4P82	Sulfate, Barium Sulfate/Turbidity Method	Powder	5 - 100 mg/L	100	•	•	•	•	
	AC2016	Sulfide, Methylene Blue Method	Tablet	0.04 - 0.5 mg/L	50	•	•	•	•	
Zinc	AC4016	Sulfide, Acid Soluble, Methylene Blue Method	Ampoule	0.2 - 3 mg/L	30			•		
	AC2065	Zinc, Zincon Method	Tablet	0.02 - 1.0 mg/L	50	•	•	•	•	
	AC4065	Zinc, Zincon Method	Ampoule	0.3 - 3 mg/L	30			•		

Many of the AQUAfast reagent chemistries use U.S. EPA approved methods for drinking water and/or wastewater. Visit www.thermoscientific.com/water for the most current list of U.S. EPA compliant reagent chemistry methods.