

Thermo Scientific Orion AquaMate Master Methods List - Thermo Scientific Orion Reagent Chemistries

Refer to the [Orion AQUAfast Reagent Instructions for AquaMate](#) file on the Thermo Scientific website for detailed information on AQUAfast reagents.

www.thermoscientific.com/water

Folder Name	Parameter	Reagent Part #	AquaMate Method	Description	Reagent Type	Vial Pathlength
Orion	Alkalinity	AC2002	AC2002	Alkalinity-M, Acid/Indicator Method	Tablet	24 mm Ø
Orion	Alkalinity	AC3002P	AC3002P	Alkalinity-P, Acid/Indicator Method	Tablet	24 mm Ø
Orion	Aluminum	AC2027	AC2027	Aluminum, Eriochrome Cyanine R Method	Tablet	24 mm Ø
Orion	Aluminum	AC4P27	AC4P27	Aluminum, Eriochrome Cyanine R Method	Powder, Liquid	24 mm Ø
Orion	Ammonia	AC2012	AC2012	Ammonia as Nitrogen (N), Indophenole/Phenate Method	Tablet	24 mm Ø
Orion	Ammonia	AC4P12	AC4P12	Ammonia as Nitrogen (N), Salicylate Method	Powder	24 mm Ø
Orion	Ammonia	ACR011	ACR011	Ammonia as Nitrogen (N), High Range, Salicylate Method	Reaction Tube	16 mm Ø
Orion	Ammonia	ACR012	ACR012	Ammonia as Nitrogen (N), Low Range, Salicylate Method	Reaction Tube	16 mm Ø
Orion	Bromine	AC2035	AC203524	Bromine, DPD Method	Tablet	24 mm Ø
Orion	Bromine	AC2035	AC203510	Bromine, DPD Method	Tablet	10 mm
Orion	Bromine	AC2035	AC203550	Bromine, DPD Method	Tablet	50 mm
Orion	Chloride	AC2017	AC2017	Chloride, Silver Nitrate/Turbidity Method	Tablet	24 mm Ø
Orion	Chlorine	AC2070	AC207024	Chlorine, Free & Total, DPD Method	Tablet	24 mm Ø
Orion	Chlorine	AC2070	AC207010	Chlorine, Free & Total, DPD Method	Tablet	10 mm
Orion	Chlorine	AC2070	AC207050	Chlorine, Free & Total, DPD Method	Tablet	50 mm
Orion	Chlorine	AC2071	AC207124	Chlorine, Free, DPD Method	Tablet	24 mm Ø
Orion	Chlorine	AC2071	AC207110	Chlorine, Free, DPD Method	Tablet	10 mm
Orion	Chlorine	AC2071	AC207150	Chlorine, Free, DPD Method	Tablet	50 mm
Orion	Chlorine	AC2072	AC207224	Chlorine, Total, DPD Method	Tablet	24 mm Ø
Orion	Chlorine	AC2072	AC207210	Chlorine, Total, DPD Method	Tablet	10 mm
Orion	Chlorine	AC2072	AC207250	Chlorine, Total, DPD Method	Tablet	50 mm
Orion	Chlorine	AC3072	AC3072	Chlorine, Total, High Range, KI / Acid Method	Tablet	16 mm Ø
Orion	Chlorine	AC4P71	AC4P71	Chlorine, Free, DPD Method	Powder	24 mm Ø
Orion	Chlorine	AC4P72	AC4P72	Chlorine, Total, DPD Method	Powder	24 mm Ø
Orion	Chlorine Dioxide	AC2099	AC209924	Chlorine Dioxide, DPD Method	Tablet	24 mm Ø
Orion	Chlorine Dioxide	AC2099	AC209950	Chlorine Dioxide, DPD Method	Tablet	50 mm
Orion	COD	CODH00	CODH00	COD, Mid Range, Dichromate Reactor Digestion Method	Digestion Tube	16 mm Ø
Orion	COD	CODHP0	CODHP0	COD, High Range, Dichromate Reactor Digestion Method	Digestion Tube	16 mm Ø
Orion	COD	CODL00	CODL00	COD, Low Range, Dichromate Reactor Digestion Method	Digestion Tube	16 mm Ø
Orion	Copper	AC2029	AC202924	Copper, Free & Total, Biquinoline Method	Tablet	24 mm Ø
Orion	Copper	AC2029	AC202950	Copper, Free & Total, Biquinoline Method	Tablet	50 mm
Orion	Copper	AC2065	AC2065	Copper, Zincon Method	Tablet	24 mm Ø
Orion	Copper	AC4P29	AC4P29	Copper, Free, Bicinchoninate Method	Powder	24 mm Ø
Orion	Cyanuric Acid	AC2098	AC2098	Cyanuric Acid, Melamine Method	Tablet	24 mm Ø
Orion	Fluoride	AC2009	AC2009	Fluoride, SPADNS Kit Method	Liquid	24 mm Ø

Folder Name	Parameter	Reagent Part #	AquaMate Method	Description	Reagent Type	Vial Pathlength
Orion	Hardness	AC3032T	AC3032TL	Hardness, Total, Low Range, Metallphthalein Method	Tablet	24 mm Ø
Orion	Hardness	AC3032T	AC3032TH	Hardness, Total, High Range, Metallphthalein Method	Tablet	24 mm Ø
Orion	Hydrazine	AC2030	AC2030	Hydrazine, Dimethylamino-benzaldehyde Method	Powder	24 mm Ø
Orion	Iron	AC2078	AC207824	Iron, Low Range, III, Soluble, TPTZ Method	Tablet	24 mm Ø
Orion	Iron	AC2078	AC207810	Iron, Low Range, III, Soluble, TPTZ Method	Tablet	10 mm
Orion	Iron	AC2078	AC207850	Iron, Low Range, III, Soluble, TPTZ Method	Tablet	50 mm
Orion	Iron	AC4P78	AC4P78	Iron, II & III, Soluble, 1,10-Phenanthroline Method	Powder	24 mm Ø
Orion	Iron	AC4P79	AC4P79	Iron, Total, TPTZ Method	Powder	24 mm Ø
Orion	Manganese	AC2055	AC2055	Manganese, Formaldoxime Method	Tablet	24 mm Ø
Orion	Manganese	AC4P54	AC4P54	Manganese, Low Range, PAN Method	Powder, Liquid	24 mm Ø
Orion	Manganese	AC4P55	AC4P55	Manganese, High Range, Periodate Oxidation Method	Powder	24 mm Ø
Orion	Molybdate	AC4P42	AC4P42	Molybdate / Molybdenum, Mercaptoacetic Acid Method	Powder	24 mm Ø
Orion	Nitrate	ACR007	ACR007	Nitrate as Nitrogen (N), Chromotropic Acid Method	Reaction Tube	16 mm Ø
Orion	Nitrite	AC2046	AC2046	Nitrite as Nitrogen (N), Diazotization (Azo) Method	Tablet	24 mm Ø
Orion	Nitrite	AC4P46	AC4P46	Nitrite as Nitrogen (N), Low Range, Diazotization (Azo) Method	Powder	24 mm Ø
Orion	Nitrogen, Total	ACD004	ACD004	Nitrogen, Total, Low Range, Persulfate Digestion Method	Digestion Tube	16 mm Ø
Orion	Nitrogen, Total	ACD007	ACD007	Nitrogen, Total, High Range, Persulfate Digestion Method	Digestion Tube	16 mm Ø
Orion	Ozone	AC2048	AC204824	Ozone, Indigo Blue Method	Tablet	24 mm Ø
Orion	pH	AC2001	AC2001	pH, Phenol Red Method	Tablet	24 mm Ø
Orion	pH	AC3001	AC3001	pH, Phenol Red Method	Liquid	24 mm Ø
Orion	Phosphate	AC2095	AC2095	Phosphate, Low Range, Phosphomolybdic Acid/Ascorbic Acid Method	Tablet	24 mm Ø
Orion	Phosphate	AC2096	AC2096	Phosphate, High Range, Vanadomolybdate Method	Tablet	24 mm Ø
Orion	Phosphate	AC4P95	AC4P95	Phosphate, Ortho, Ascorbic Acid Method	Powder	24 mm Ø
Orion	Phosphate	ACD095	ACD095	Phosphate as Phosphorous (P), Total, Persulfate Digestion/Ascorbic Acid Method	Digestion Tube	16 mm Ø
Orion	Phosphate	ACD095AH	ACD095AH	Phosphate as Phosphorous (P), Acid Hydrolyzable, Acid Digest./Ascorbic Acid Method	Digestion Tube	16 mm Ø
Orion	Phosphate	ACR095	ACR095	Phosphate, Ortho, Ascorbic Acid Method	Reaction Tube	16 mm Ø
Orion	Silica	AC2060	AC2060	Silica, Silicomolybdate Method	Tablet	24 mm Ø
Orion	Silica	AC2061	AC2061	Silica, Silicomolybdate Method with Phosphate Removal	Tablet	24 mm Ø
Orion	Silica	AC4P60	AC4P60	Silica, High Range, Silicomolybdate Method	Powder	24 mm Ø
Orion	Sulfate	AC4P82	AC4P82	Sulfate, Barium Sulfate/Turbidity Method	Powder	24 mm Ø
Orion	Sulfide	AC2016	AC2016	Sulfide, Methylene Blue Method	Tablet	24 mm Ø
Orion	Zinc	AC2065	AC2065	Zinc, Zincon Method	Tablet	24 mm Ø

Thermo Scientific Orion AquaMate Master Methods List - Merck Reagent Chemistries

Refer to the [Programming Data for the Spectroquant Test Kits for Spectrophotometers](#) file on the Merck website for detailed information on Merck reagents.

<http://www.merck-chemicals.com/photometry>

Folder Name	Parameter	Reagent Part #	AquaMate Method	Vial Pathlength
Merck	Acid Capacity CT to pH 4.3	1.01758.0001	01758H16	16 mm
Merck	Total Alkalinity	1.01758.0001	01758L16	16 mm
Merck	Aluminium Test	1.14825.0001	14825H10	10 mm
			14825L50	50 mm
Merck	Aluminium CT	1.00594.0001	00594S16	16 mm
Merck	Ammonium CT	1.14739.0001	14739S16	16 mm
Merck	Ammonium Test	1.14752.0001	14752H10	10 mm
			14752L50	50 mm
Merck	Ammonium CT	1.14558.0001	14558S16	16 mm
Merck	Ammonium CT	1.14544.0001	14544S16	16 mm
Merck	Ammonium Test	1.00683.0001	00683L10	10 mm
			00683H10	10 mm
Merck	Ammonium CT	1.14559.0001	14559S16	16 mm
Merck	AOX	1.00675.0001	00675S16	16 mm
Merck	Antimony	*	ANTIMONY	10 mm
Merck	Arsenic Test	1.01747.0001	01747H10	10 mm
			01747L20	20 mm
Merck	BOD CT	1.00687.0001	00687S16	16 mm
Merck	Boron Test	1.14839.0001	14839S10	10 mm
Merck	Boron CT	1.00826.0001	00826S16	16 mm
Merck	Bromine Test	1.00605.0001	00605H10	10 mm
			00605L50	50 mm
Merck	Cadmium Test	1.01745.0001	01745H10	10 mm
			01745L50	50 mm
Merck	Cadmium CT	1.14834.0001	14834S16	16 mm
Merck	Calcium Test	1.14815.0001	14815L10	10 mm
			14815H10	10 mm
Merck	Calcium CT	1.00858.0001	00858L16	16 mm
			00858H16	16 mm
Merck	Chloride CT	1.14730.0001	14730S16	16 mm
Merck	Chloride Test	1.14897.0001	14897H10	10 mm
			14897L10	10 mm
Merck	Chlorine Test (Free)	1.00598.	00598H10	10 mm
Merck	Chlorine Test (Total)	1.00602.	00602L50	50 mm
Merck	Chlorine CT (Free & Total)	1.00595.0001 1.00597.0001	00595S16	16 mm
Merck	Chlorine (liquid) (Free & Total)	1.00086.0001 1.00087.0001 1.00088.0001 1.00089.0001	00089H16	16 mm

Folder Name	Parameter	Reagent Part #	AquaMate Method	Vial Pathlength
Merck	Chlorine (liquid) (Free & Total)	1.00086.0001 1.00087.0001 1.00088.0001 1.00089.0001	00089L50	50 mm
Merck	Chlorine Dioxide Test	1.00608.0001	00608H10	10 mm
			00608L50	50 mm
Merck	Chromate Test	1.14758.0001	14758H10	10 mm
			14758L50	50 mm
Merck	Chromate CT	1.14552.0001	14552S16	16 mm
Merck	Chromium Bath	*	CHROMIUM	10 mm
Merck	COD CT	1.14560.0001	14560S16	16 mm
Merck	COD CT	1.14540.0001	14540S16	16 mm
Merck	COD CT	1.14895.0001	14895S16	16 mm
Merck	COD CT	1.14690.0001	14690S16	16 mm
Merck	COD CT	1.14541.0001	14541S16	16 mm
Merck	COD CT	1.14691.0001	14691S16	16 mm
Merck	COD CT	1.14555.0001	14555S16	16 mm
Merck	COD CT	1.01797.0001	01797S16	16 mm
Merck	COD CT (Hg free)	1.09772.0001	09772S16	16 mm
Merck	COD CT (Hg free)	1.09773.0001	09773S16	16 mm
Merck	Copper Test	1.14767.0001	14767H10	10 mm
			14767L50	50 mm
Merck	Copper CT	1.14553.0001	14553S16	16 mm
Merck	Copper Bath	*	CU_BATH	10 mm
Merck	Cyanide Test	1.09701.0001	09701H10	10 mm
			09701L50	50 mm
Merck	Cyanide CT	1.14561.0001	14561S16	16 mm
Merck	DEHA	see Oxygen Scavengers		
Merck	Detergents	see Surfactants		
Merck	Dissolved Oxygen	see Oxygen		
Merck	Fluoride CT	1.14557.0001	14557H16	16 mm
			14557L50	50 mm
Merck	Fluoride Test	1.14598.0001	14598L10	10 mm
			14598H10	10 mm
Merck	Formaldehyde Test	1.14678.0001	14678H10	10 mm
			14678L50	50 mm
Merck	Formaldehyde CT	1.14500.0001	14500S16	16 mm
Merck	Gold Test	1.14821.0001	14821S10	10 mm
Merck	Hardness	see Residual Hardness or Total Hardness		
Merck	Hydrazine Test	1.09711.0001	09711H10	10 mm
			09711L50	50 mm
Merck	Hydrogen Peroxide CT	1.14731.0001	14731S16	16 mm

Folder Name	Parameter	Reagent Part #	AquaMate Method	Vial Pathlength
Merck	Hydrogen Peroxide Test	1.18789.0001	18789H10	10 mm
			18789L20	20 mm
Merck	Iodine Test	1.00606.0001	00606H10	10 mm
			00606L50	50 mm
Merck	Iodine Colour Number		I2COLL10	10 mm
Merck	Iodine Colour Number		I2COLH10	10 mm
Merck	Iron Test	1.14761.	14761H10	10 mm
			14761L50	50 mm
Merck	Iron Test	1.00796.0001	00796H10	10 mm
			00796L50	50 mm
Merck	Iron CT	1.14549.0001	14549S16	16 mm
Merck	Iron CT	1.14896.0001	14896S16	16 mm
Merck	Lead Test	1.09717.0001	09717H10	10 mm
			09717L50	50 mm
Merck	Lead CT	1.14833.0001	14833S16	16 mm
Merck	Mercury	*	HGS50	50 mm
Merck	Magnesium CT	1.00815.0001	00815S16	16 mm
Merck	Manganese Test	1.01739.0001	01739H10	10 mm
			01739L50	50 mm
Merck	Manganese Test	1.14770.0001	14770H10	10 mm
			14770L50	50 mm
Merck	Manganese CT	1.00816.0001	00816S16	16 mm
Merck	Molybdenum CT	1.00860.0001	00860S16	16 mm
Merck	Molybdenum Test	1.19252.0001	19252S20	20 mm
Merck	Monochloramine Test	1.01632.0001	01632A10	10 mm
			01632A50	50 mm
			01632B10	10 mm
			01632B50	50 mm
			01632C10	10 mm
Merck	Nickel Test	1.14785.0001	14785H10	10 mm
			14785L50	50 mm
Merck	Nickel CT	1.14554.0001	14554S16	16 mm
Merck	Nickel Bath	*	NI_BATHS	10 mm
Merck	Nitrate Test	1.09713.0001	09713H10	10 mm
			09713L50	50 mm
Merck	Nitrate Test	1.14773.0001	14773H10	10 mm
			14773L20	20 mm
Merck	Nitrate CT	1.14542.0001	14542S16	16 mm
Merck	Nitrate CT	1.14563.0001	14563S16	16 mm

Folder Name	Parameter	Reagent Part #	AquaMate Method	Vial Pathlength
Merck	Nitrate CT	1.14764.0001	14764S16	16 mm
Merck	Nitrate CT	1.00614.0001	00614S16	16 mm
Merck	Nitrate CT in Seawater	1.14556.0001	14556S16	16 mm
Merck	Nitrate Test in Seawater	1.14942.0001	14942S10	10 mm
Merck	Nitrite Test	1.14776.	14776H10	10 mm
			14776L50	50 mm
Merck	Nitrite CT	1.14547.0001	14547S16	16 mm
Merck	Nitrite CT	1.00609.0001	00609S16	16 mm
Merck	Nitrogen, Total CT	1.00613.0001	00613S16	16 mm
Merck	Nitrogen, Total CT	1.14537.0001	14537S16	16 mm
Merck	Nitrogen, Total CT	1.14763.0001	14763S16	16 mm
Merck	Oxygen, Dissolved CT	1.14694.0001	14694S16	16 mm
Merck	Oxygen Scavengers Test	1.19251.0001	19251A20	20 mm
			19251B20	
			19251C20	
			19251D20	
			19251E20	
Merck	Ozone Test	1.00607.0001	00607H10	10 mm
			00607L50	50 mm
Merck	Palladium	*	PDS10	10 mm
Merck	pH CT	1.01744.0001	01744S16	16 mm
Merck	Phenol Test	1.00856.0001	00856L20	20 mm
			00856H20	20 mm
Merck	Phenol CT	1.14551.0001	14551S16	16 mm
Merck	Phosphate Test (PMB)	1.14848.0001	14848H10	10 mm
			14848L50	50 mm
Merck	Phosphate CT (PMB)	1.14543.0001	14543S16	16 mm
Merck	Phosphate CT (PMB)	1.14729.0001	14729S16	16 mm
Merck	Phosphate CT (VM)	1.14546.0001	14546S16	16 mm
Merck	Phosphate Test (VM)	1.14842.0001	14842H10	10 mm
			14842L20	20 mm
Merck	Phosphate Test (PMB)	1.00798.0001	00798S10	10 mm
Merck	Phosphate CT (PMB)	1.00616.0001	00616S16	16 mm
Merck	Platinum	*	PTS10	10 mm
Merck	Potassium CT	1.14562.0001	14562S16	16 mm
Merck	Potassium CT	1.00615.0001	00615S16	16 mm
Merck	Residual Hardness CT	1.14683.0001	14683L16	16 mm
			14683H16	16 mm
Merck	Silicate Test	1.14794.0001	14794H10	10 mm
			14794L50	50 mm

Folder Name	Parameter	Reagent Part #	AquaMate Method	Vial Pathlength
Merck	Silicate Test	1.00857.0001	00857L10	10 mm
			00857H10	10 mm
Merck	Silver Test	1.14831.0001	14831H10	10 mm
			14831L20	20 mm
Merck	Sodium CT Nutrient Solutions for Fertilization	1.00885.0001	00885S16	16 mm
Merck	Sulfate CT	1.14548.0001	14548S16	16 mm
Merck	Sulfate Test	1.14791.0001	14791S10	10 mm
Merck	Sulfate CT	1.00617.0001	00617S16	16 mm
Merck	Sulfate CT	1.14564.0001	14564S16	16 mm
Merck	Sulfide Test	1.14779.0001	14779H10	10 mm
Merck	Sulfite CT	1.14394.0001	14394H16	16 mm
			14394L50	50 mm
Merck	Sulfite Test	1.01746.0001	01746S10	10 mm
Merck	Surfactants (anionic) CT	1.14697.0001	14697S10	16 mm
Merck	Surfactants (cationic) CT	1.01764.0001	01764S16	16 mm
Merck	Surfactants (non-ionic) CT	1.01787.0001	01787S16	16 mm
Merck	Suspended Solids	*	SUSSS20	20 mm
Merck	Tin CT	1.14622.0001	14622S16	16 mm
Merck	TOC CT	1.14878.0001	14878S16	16 mm
Merck	TOC CT	1.14879.0001	14879S16	16 mm
Merck	Total Hardness CT	1.00961.0001	00961L16	16 mm
			00961H16	16 mm
Merck	Volatile Organic Acids CT	1.01763.0001	01763S16	16 mm
Merck	Zinc CT	1.00861.0001	00861S16	16 mm
			00861S10	10 mm
Merck	Zinc Test	1.14832.0001	14832S10	10 mm
Merck	Zinc CT	1.14566.0001	14566S16	16 mm

Notes:

* These parameters are not ready-to-use test kits. Detailed information is provided in the application list on the Merck website.

<http://www.merck-chemicals.com/photometry>

Thermo Scientific Orion AquaMate Master Methods List - CHEMetrics Reagent Chemistries

Refer to the CHEMetrics website for detailed information on CHEMetrics reagents.

www.chemetrics.com

Folder Name	Parameter	Reagent Part #	AquaMate Method	Reagent Type	Vial Pathlength
CHEMetrics	Aluminium	K-0603	K0603	Ampoule	13 mm Ø
CHEMetrics	Ammonia	K-1404	K1403	Ampoule	13 mm Ø
CHEMetrics	Ammonia	K-1503	K1503	Ampoule	13 mm Ø
CHEMetrics	Ammonia	K-1523	K1523	Ampoule	13 mm Ø
CHEMetrics	Chloride	K-2103	K2103	Ampoule	13 mm Ø
CHEMetrics	Total Chlorine	K-2513	K2513	Ampoule	13 mm Ø
CHEMetrics	Chlorine	K-2523	K2523	Ampoule	13 mm Ø
CHEMetrics	Chlorine Dioxide	K-2703	K2703	Ampoule	13 mm Ø
CHEMetrics	Copper	K-3503	K3503	Ampoule	13 mm Ø
CHEMetrics	Cyanide	K-3803	K3803	Ampoule	13 mm Ø
CHEMetrics	Soluable Iron	K-6003	K6003	Ampoule	13 mm Ø
CHEMetrics	Total Iron	K-6013	K6013	Ampoule	13 mm Ø
CHEMetrics	Manganese	K-6503	K6503	Ampoule	13 mm Ø
CHEMetrics	Nitrate	K-6903	K6903	Ampoule	13 mm Ø
CHEMetrics	Nitrate	K-6923	K6923	Ampoule	13 mm Ø
CHEMetrics	Nitrate	K-6933	K6933	Ampoule	13 mm Ø
CHEMetrics	Nitrite	K-7003	K7003	Ampoule	13 mm Ø
CHEMetrics	Oxygen	K-7513	K7513	Ampoule	13 mm Ø
CHEMetrics	Ozone	K-7413	K7413	Ampoule	13 mm Ø
CHEMetrics	Phosphate	K-8513	K8513	Ampoule	13 mm Ø
CHEMetrics	Silica	K-9003	K9003	Ampoule	13 mm Ø
CHEMetrics	Sulfate	K-9203	K9203	Ampoule	13 mm Ø
CHEMetrics	Sulfide	K-9503	K9503	Ampoule	13 mm Ø
CHEMetrics	Sulfide	K-9523	K9523	Ampoule	13 mm Ø
CHEMetrics	Zinc	K-9903	K9903	Ampoule	13 mm Ø
CHEMetrics	Zinc	K-9923	K9923	Ampoule	13 mm Ø