

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

Please visit our website at [www.thermoscientific.com/water](http://www.thermoscientific.com/water) for the latest instructions for Orion AQUAfast reagents and UV-Vis application notes.

| Folder Name | Parameter        | Reagent Part # | AquaMate Method | Description  | Reagent Type   | Vial Path Length |
|-------------|------------------|----------------|-----------------|--|----------------|------------------|
| 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, Indophenol Blue Method          | Tablet         | 24 mm Ø          |
| Orion       | Ammonia          | AC4P12         | AC4P12          | Ammonia as Nitrogen, Salicylate Method               | Powder         | 24 mm Ø          |
| Orion       | Ammonia          | ACR011         | ACR011          | Ammonia as Nitrogen, High Range, Salicylate Method   | Reaction Tube  | 16 mm Ø          |
| Orion       | Ammonia          | ACR012         | ACR012          | Ammonia as Nitrogen, 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              | CODL00         | CODL00          | COD, Low Range, Dichromate Reactor Digestion Method  | Digestion Tube | 16 mm Ø          |
| 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       | Color            | N/A            | CLRPT24         | Color, Platinum-Cobalt 0 to 500 PCU Method           | N/A            | 24 mm Ø          |
| Orion       | Color            | N/A            | CLRPT25         | Color, Platinum-Cobalt 0 to 500 PCU Method           | N/A            | 25 mm Ø          |
| Orion       | Color            | N/A            | CLRPT50         | Color, Platinum-Cobalt 0 to 500 PCU Method           | N/A            | 50 mm            |
| Orion       | Color            | N/A            | CLRPTP24        | Color, Adaptation of NCASI 253/803 Method            | N/A            | 24 mm Ø          |
| Orion       | Color            | N/A            | CLRPTP25        | Color, Adaptation of NCASI 253/803 Method            | N/A            | 25 mm Ø          |
| Orion       | Color            | N/A            | CLRPTP50        | Color, Adaptation of NCASI 253/803 Method            | N/A            | 50 mm            |
| Orion       | Copper           | AC2029         | AC202924        | Copper, Free & Total, Biquinoline Method             | Tablet         | 24 mm Ø          |

| Folder Name | Parameter       | Reagent Part # | AquaMate Method | Description   | Reagent Type   | Vial Path Length |
|-------------|-----------------|----------------|-----------------|---|----------------|------------------|
| Orion       | Copper          | AC2029         | AC202950        | Copper, Free & Total, Biquinoline Method                                  | Tablet         | 50 mm            |
| 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 Method   | Liquid         | 24 mm Ø          |
| 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, 4-(Dimethyl-amino)-Benzaldehyde Method                         | Powder         | 24 mm Ø          |
| Orion       | Iron            | AC2078         | AC207824        | Iron, II & III, PPST Method   | Tablet         | 24 mm Ø          |
| Orion       | Iron            | AC2078         | AC207810        | Iron, II & III, PPST Method   | Tablet         | 10 mm            |
| Orion       | Iron            | AC2078         | AC207850        | Iron, II & III, PPST Method   | Tablet         | 50 mm            |
| Orion       | Iron            | AC4P78         | AC4P78          | Iron, Ferro, 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, Liquid | 24 mm Ø          |
| Orion       | Molybdate       | AC4P42         | AC4P42          | Molybdate / Molybdenum, Mercaptoacetic Acid Method                        | Powder         | 24 mm Ø          |
| Orion       | Nitrate         | ACR007         | ACR007          | Nitrate as Nitrogen, Chromotropic Acid Method                             | Reaction Tube  | 16 mm Ø          |
| Orion       | Nitrite         | AC2046         | AC2046          | Nitrite as Nitrogen, N-(1-Naphthyl)-ethylenediamine Method                | Tablet         | 24 mm Ø          |
| Orion       | Nitrite         | AC4P46         | AC4P46          | Nitrite as Nitrogen, 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           | AC3048         | AC3048          | Ozone, DPD/Glycine 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-WA      | AC2095          | Phosphate, Ortho, Low Range, Phosphomolybdic Acid/Ascorbic Acid Method    | Tablet         | 24 mm Ø          |
| Orion       | Phosphate       | AC2096         | AC2096          | Phosphate, Ortho, High Range, Vanadomolybdate Method                      | Tablet         | 24 mm Ø          |
| Orion       | Phosphate       | AC4P95         | AC4P95          | Phosphate, Ortho, Phosphomolybdenum/Ascorbic Acid Method                  | Powder         | 24 mm Ø          |
| Orion       | Phosphate       | ACD095         | ACD095          | Phosphate as P, Total, Persulfate Digestion/Ascorbic Acid Method          | Digestion Tube | 16 mm Ø          |
| Orion       | Phosphate       | ACD095AH       | ACD095AH        | Phosphate as P, Acid Hydrolyzable, Phosphomolybdenum/Ascorbic Acid Method | Digestion Tube | 16 mm Ø          |
| Orion       | Phosphate       | ACR095         | ACR095          | Phosphate, Ortho, Phosphomolybdenum/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, Bariumsulfate-Turbidity Method                                   | Powder         | 24 mm Ø          |
| Orion       | Sulfide         | AC2016         | AC2016          | Sulfide, DPD/Catalyst Method  | Tablet         | 24 mm Ø          |
| Orion       | UVA, UV-254     | N/A            | UV254_1         | UVA, UV-254 Method  | N/A            | 10 mm            |
| Orion       | UVA, UV-254     | N/A            | UV254_5         | UVA, UV-254 Method  | N/A            | 50 mm            |
| Orion       | UVA, UV-254     | N/A            | UV254_10        | UVA, UV-254 Method  | N/A            | 100 mm           |
| 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 Path Length |
|-------------|----------------------------------|---|-----------------|------------------|
| Merck       | Acid Capacity CT to pH 4.3       | 1.01758.0001  | 01758H16        | 16 mm            |
| Merck       | Total Alkalinity                 | 1.01758.0001  | 01758L16        | 16 mm            |
| Merck       | Aluminum Test                    | 1.14825.0001  | 14825H10        | 10 mm            |
|             |                                  |   | 14825L50        | 50 mm            |
| Merck       | Aluminum 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 Path Length |
|-------------|----------------------------------|---|-----------------|------------------|
| 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 Path Length |
|-------------|------------------------|----------------|-----------------|------------------|
| 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 Path Length |
|-------------|--------------------------|----------------|-----------------|------------------|
| 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 Path Length |
|-------------|--|----------------|-----------------|------------------|
| 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](http://www.chemetrics.com)

| Folder Name | Parameter        | Reagent Part # | AquaMate Method | Reagent Type | Vial Path Length |
|-------------|------------------|----------------|-----------------|--------------|------------------|
| CHEMetrics  | Aluminum         | K-0603         | K0603           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Ammonia          | K-1403         | K1403           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Ammonia          | K-1503         | K1503           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Ammonia          | K-1523         | K1523           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Bromine          | K-1613         | K1613           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Chloride         | K-2103         | K2103           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | 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  | Chromate         | K-2803         | K2803           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Copper           | K-3503         | K3503           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Cyanide          | K-3803         | K3803           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | DEHA             | K-3903         | K3903           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Formaldehyde     | K-4203         | K4203           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Glycol           | K-4403         | K4403           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Glycol           | K-4423         | K4423           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Hydrazine        | K-5003         | K5003           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Iron             | K-6003         | K6003           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Iron             | K-6013         | K6013           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Iron             | K-6023         | K6023           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Iron             | K-6203         | K6203           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Manganese        | K-6503         | K6503           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Molybdate        | K-6703         | K6703           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Nitrate          | K-6903         | K6903           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Nitrate          | K-6913         | K6913           | 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-7503         | K7503           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Oxygen           | K-7513         | K7513           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Oxygen           | K-7553         | K7553           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Ozone            | K-7423         | K7423           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Peracetic Acid   | K-7913         | K7913           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Peroxide         | K-5513         | K5513           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Peroxide         | K-5543         | K5543           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Phenols          | K-8003         | K8003           | Ampoule      | 13 mm Ø          |



| Folder Name | Parameter | Reagent Part # | AquaMate Method | Reagent Type | Vial Path Length |
|-------------|-----------|----------------|-----------------|--------------|------------------|
| CHEMetrics  | Phenols   | K-8023         | K8023           | Ampoule      | 13 mm Ø          |
| CHEMetrics  | Phosphate | K-8503         | K8503           | 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          |