

Photometer Reagents

Tablet Reagents

Photometer tablet reagents are available in two general pack sizes, the Starter Pack (PM code) and the Replacement Pack (AP code).

Test Name	Measurement Range	Starter Pack (50 tests)	Replacement Pack (250 tests)
M – Alkalinity (Alkaphot M™)	0 – 500 mg/l CaCO ₃	PM 250	AP 250
P – Alkalinity (Alkaphot P™)	0 – 500 mg/l CaCO ₃	PM 251	AP 251
Total Alkalinity (Alkaphot®)	0 – 500 mg/l CaCO ₃	PM 188	AP 188
Aluminium	0 – 0.5 mg/l Al	PM 166	AP 166
Ammonia	0 – 1.0 mg/l N	PM 152	AP 152
Bromine	0 – 10 mg/l Br ₂	PM 060	AP 060
Boron	0 – 2.5 mg/l B	PM 190	AP 190 (160 tests)
Calcium Hardness (Calcicol™)	0 – 500 mg/l CaCO ₃	PM 252	AP 252
Chloride (Chloridol™)	0 – 50,000 mg/l NaCl	PM 268	AP 268
Chlorine – Free (DPD 1)	0 – 5 mg/l Cl ₂	PM 011	AP 011
Chlorine – Free, extended range (DPD XF)	0 – 10 mg/l Cl ₂	PM 013	AP 013
Chlorine – Free, Combined & Total (DPD 1 & 3)	0 – 5 mg/l Cl ₂	PM 031	AP 031
Chlorine – Free, Combined & Total, extended range (DPD XF & XT)	0 – 10 mg/l Cl ₂	PM 033	AP 033
Chlorine – Total (DPD 4)	0 – 5 mg/l Cl ₂	PM 041	AP 041
Chlorine – Total (DPD 3 only)	0 – 5 mg/l Cl ₂	-	AP 031/1
Chlorine – Total, extended range (DPD XT only)	0 – 10 mg/l Cl ₂	-	AP 033/1
Chlorine HR	0 – 250 mg/l Cl ₂	PM 162	AP 162
Chlorine Dioxide and Chlorite (DPD method)	0 – 10 mg/l ClO ₂	PM 052	AP 052
Chlorine Dioxide LR (Lissamine Green B method)	0 – 2.5 mg/l ClO ₂	PM 064	AP 064
Chlorine Dioxide HR (Lissamine Green B method)	2.5 – 20 mg/l ClO ₂	PM 065	AP 065
Chromium VI (Chromicol™)	0 – 1.0 mg/l Cr	PM 281	AP 281
Colour	10 – 500 Hazen Units/ 10 – 500 mg/l PtCo	PM 269	-
Copper – Free, Combined & Total (Coppercol®)	0 – 5 mg/l Cu	PM 186	AP 186
Copper – Free	0 – 5 mg/l Cu	-	AP 187
Cyanuric Acid	0 – 200 mg/l CNA	PM 087	AP 087
DEHA	0 – 500 ppb DEHA	PM 275	AP 275
Fluoride	0 – 1.5 mg/l F	PM 179	AP 179 (200 tests)
Hardness – Total (Hardicol®)	0 – 500 mg/l CaCO ₃	PM 254	AP 254
Hydrazine	0 – 0.5 mg/l N ₂ H ₂	PM 103 (30 tests)	AP 103 (150 tests)
Hydrogen Peroxide LR	0 – 2 mg/l H ₂ O ₂	PM 104	AP 104
Hydrogen Peroxide HR	0 – 100 mg/l H ₂ O ₂	PM 105	AP 105

Test Name	Measurement Range	Starter Pack (50 tests)	Replacement Pack (250 tests)
Iron LR	0 – 1 mg/l Fe	-	AP 155
Iron MR	0 – 5 mg/l Fe	PM 292	AP 292
Iron HR	0 – 10 mg/l Fe	PM 156	AP 156
Magnesium Hardness (Magnecol®)	0 – 100 mg/l Mg	PM 193	AP 193
Manganese	0 – 0.03 mg/l Mn	PM 173	AP 173
Manganese HR	0 – 5 mg/l Mn	PM 174	AP 174
Molybdate LR	0 – 20 mg/l MoO ₄	PM 258	AP 258 (200 tests)
Molybdate HR	0 – 100 mg/l MoO ₄	PM 175	AP 175
Nickel (Nickeltest™)	0 – 10 mg/l Ni	PM 284	AP 284
Nitrate (Nitratest™)	0 – 20 mg/l N	PM 163	AP 163
Nitrite (Nitricol®)	0 – 0.5 mg/l N	PM 109	AP 109
Nitrite (Nitriphot)	0 – 1500 mg/l NaNO ₂	PM 260	AP 260
Organophosphonate (OP)	0 – 20 mg/l PO ₄	PM 262	AP 262
Ozone (DPD method)	0 – 2 mg/l O ₃	PM 056	AP 056
pH Phenol Red	pH 6.5 – 8.5	PM 130	AP 130
Phenol (Phenoltest™)	0 – 5 mg/l C ₆ H ₅ OH	PM 287	AP 287 (200 tests)
PHMB (PHMB-PHOT)	0 – 100 mg/l active biocide	PM 272	AP 272
Phosphate LR	0 – 4 mg/l PO ₄	PM 177	AP 177 (200 tests)
Phosphate HR	0 – 100 mg/l PO ₄	PM 114	AP 114
Potassium	0 – 12 mg/l K	PM 189	AP 189
Silica	0 – 4 mg/l SiO ₂	PM 181	AP 181 (200 tests)
Silica HR	0 – 150 mg/l SiO ₂	PM 290	AP 290 (200 tests)
Sulphate	0 – 200 mg/l SO ₄	PM 154	AP 154
Sulphide	0 – 0.5 mg/l S	PM 168	AP 168 (200 tests)
Sulphite (Sulphitest™)	0 – 500 mg/l Na ₂ SO ₃	PM 266	AP 266
Zinc	0 – 4 mg/l Zn	PM 148	AP 148

Liquid Reagents

Test Name	Measurement Range	Part Code (30 tests)
Dissolved Oxygen 0.8	0 – 0.8 mg/l O ₂	PL 553
Dissolved Oxygen 2.0	0 – 2.0 mg/l O ₂	PL 503
Dissolved Oxygen 20	0 – 20 mg/l O ₂	PL 513
Chlorine - Free (equivalent to DPD 1)	0 – 5 mg/l Cl ₂	AT 015*
Chlorine - Total (equivalent to DPD 3) Must be used in conjunction with AT 015	0 – 5 mg/l Cl ₂	AT 035*

* = 1200 tests, + = 100 tests

Liquid Photometer Reagents

Tubetests

For ultimate convenience the Palintest range of Tubetests® reagents offer pre-dispensed reagents for minimal handling with barcoded reagent labelling for ease of use in wastewater applications.

Available in packs of 25 tests, add any multiparameter photometer to your heater block and reagents for a complete wastewater analysis system.

- 6mm OD tubes for improved resolution – larger diameter tubes are more sensitive in the lower part of the measuring range
- Full range of accessory heater blocks, tube racks, workplace mats and pipettes to provide the complete solution for Tubetests® analysis
- Barcoded reagent labels for automatic test selection on the Photometer 8000 – including automatic blanking for COD testing



Test Name	Measurement Range	Part Code (25 tests)
Mercury Free for Low Chloride Samples		
COD/150	0 – 150 mg/l O ₂	PL 450
COD/400	0 – 400 mg/l O ₂	PL 452
COD/1000	0 – 1000 mg/l O ₂	PL 463
COD/2000	0 – 2000 mg/l O ₂	PL 464
COD/20000	0 – 20000 mg/l O ₂	PL 466
Containing Mercury for Moderate Chloride Samples		
COD/150/M	0 – 150 mg/l O ₂	PL 460
COD/400/M	0 – 400 mg/l O ₂	PL 462
COD/1000/M	0 – 1000 mg/l O ₂	PL 463
COD/2000/M	0 – 2000 mg/l O ₂	PL 464
COD/20000/M	0 – 20000 mg/l O ₂	PL 466
Containing Mercury for High Chloride Samples		
COD/150/2M	0 – 150 mg/l O ₂	PL 461
COD/1000/2M	0 – 1000 mg/l O ₂	PL 468
COD/2000/2M	0 – 2000 mg/l O ₂	PL 465
COD/20000/2M	0 – 20000 mg/l O ₂	PL 467
COD Standard Solutions (COD Concentration)	(Nominal COD Concentration)	
COD Standard Solution, 125ml	80 mg/l	PL 470
COD Standard Solution, 125ml	250 mg/l	PL 472
COD Standard Solution, 125ml	800 mg/l	PL 474
COD Standard Solution, 125ml	10000 mg/l	PL 476

Test Name	Measurement Range	Part Code (25 tests)
Nutrients		
Ammonia 15N, Nessler Method	0 – 15 mg/l N	PL 420
Ammonia 50N, Nessler Method	0 – 50 mg/l N	PL 424
Ammonia 100N, Nessler Method	0 – 50 mg/l N	PL 425
Ammonia 12N/50N, Indophenol Method	0 – 50 mg/l N 0 – 50 mg/l N	PL 400
Nitrate 30N	0 – 30 mg/l N / 0 – 150 mg/l NO ₃	PL 404
Total Nitrogen 30N (use with PL 404)	0 – 30 mg/l N	PL 408
Phosphate 12P	0 – 12 mg/l P	PL 412
Total Phosphorus 12P	0 – 12 mg/l P	PL 416
Heavy Metals		
Chromium VI (Cr ⁶⁺)	0 – 10 mg/l Cr	PL 440
Total Chromium	0 – 10 mg/l Cr	PL 436
Copper	0 – 20 mg/l Cu	PL 427
Iron	0 – 25 mg/l Fe	PL 434
Nickel	0 – 20 mg/l Ni	PL 430
Zinc	0 – 7 mg/l Zn / 0 – 35 mg/l Zn	PL 442

Tubetests® Accessories

PT 589	Standard Tubetests® Heater, Safety Screen (PT 590), anodized aluminium heater block, power lead
PT 590	Replacement safety screen for Standard Tubetests® Heater
PT 592 UK	Premium Tubetests® Heater including integrated safety screen, anodized aluminium heater block, power lead (UK adaptor)
PT 592 EU	Premium Tubetests® Heater including integrated safety screen, anodized aluminium heater block, power lead (EU adaptor)
PT 592 USA	Premium Tubetests® Heater including integrated safety screen, anodized aluminium heater block, power lead (US adaptor)
PT 598	COD Lab Set (Standard Range) - Workplace mat, 2ml pipettor, 96 pipettor tips 2–5 ml, Tubetests® rack, -10 to 200°C thermometer (non-mercury type)
PT 599	COD Lab Set (High Range) - Workplace mat, 200µl pipettor, 96 pipettor tips 200 µl, Tubetests® rack, -10 to 200°C thermometer, (non-mercury type)