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Технические характеристики на реагенты Green Chemistry, DPD Evo Formula

КОМПАНИИ LOVIBOND

Tube	Display	Reagent	Reagent-form	Code
24 mm ø	CaCO ₃	Alka-M-Photometer 	T	100 Pc 513210BT 250 513211BT

Tube	Display	Reagent	Reagent-form	Code
24 mm ø	Br	For concrete use, see handbook of methods		
50 mm □		DPD No.3 Evo  	T	100 Pc 511420BT 250 511421BT 500 511422BT
10 mm □		DPD No.3 HR Evo  	T	100 Pc 511920BT 250 511921BT 500 511922BT
		Combi pack# DPD No.1 & DPD No.3 Evo  	T	100 Pc 517931BT 250 517932BT
		DPD No.1 	T	100 Pc 511050BT 250 511051BT 500 511052BT
		DPD No.3 	T	100 Pc 511080BT 250 511081BT 500 511082BT
		Combi pack# DPD per No.1 & No.3 	T	100 Pc 517711BT 250 517712BT
		DPD No.1 High Calcium ^{e)} 	T	100 Pc 515740BT 250 515741BT 500 515742BT
		DPD No.3 High Calcium ^{e)} 	T	100 Pc 515730BT 250 515731BT 500 515732BT
		Combi pack# DPD per No.1 & No.3 High Calcium ^{e)} 	T	100 Pc 517781BT 250 517782BT
		Glycine ^{f)}	T	100 Pc 512170BT 250 512171BT
		Combi pack# DPD per No.1 & Glycine	T	100 Pc 517731BT 250 517732BT
24 mm ø	CaCO ₃	Combi pack# Calcio H per No.1 & No.2 	T	100 Pc 517761BT 250 517762BT
24 mm ø	Cl ₂	DPD No.3 EVO / DPD No.3 HR Evo  	T	s.a.
50 mm □		Combi pack# DPD No.1 & DPD No.3 Evo  	T	s.a.
10 mm □		DPD No.1 / 3 	T	s.a.
		Combi pack# DPD No.1 / 3 per No.1 & No.3 	T	s.a.
		DPD No.1 / 3 High Calcium ^{e)} 	T	s.a.
		Combi pack# DPD No.1 / 3 High Calcium per No.1 & No.3 ^{e)} 	T	s.a.
24 mm ø	Cl ₂	DPD No.3 HR Evo  	T	s.a.
10 mm □		Combi pack# DPD No.1 & DPD No.3 Evo  	T	s.a.
		DPD No.1 HR 	T	100 Pc 511500BT 250 511501BT 500 511502BT
		DPD No.3 HR 	T	100 Pc 511590BT 250 511591BT 500 511592BT
		Combi pack# DPD HR per No.1 & No.3	T	100 Pc 517791BT 250 517792BT
24 mm ø	Cl ₂		Set	471056
24 mm ø		DPD 1 Buffer Solution 	L	15 mL 471010 100 471011
		DPD 1 Reagent Solution 	L	15 mL 471020 100 471021
		DPD 3 Solution 	L	15 mL 471030 100 471031

- a) determination of free, combined and total
b) Thermoreactor is necessary for COD (150 °C), TOC (120 °C) and total -chromium, - phosphate, -nitrogen, (100 °C)
c) MultiDirect: Adapter is necessary for Vacu-vials® (Order code 192075)
d) Spectroquant® is a Merck KGaA Trademark
e) alternative reagent, used instead of DPD No.1 / DPD No.3 in case of turbidity in the water sample caused by high concentration of calcium and/or high conductivity
f) additionally required for determination of bromine, chlorine dioxide and ozone in the presence of chlorine
g) Reagent recovers most insoluble iron oxides without digestion

 Green Chemistry

 Evo = Potassium-Iodide reduced

L = Liquid/Solution, P = Powder, PP = Powder Pack, T = Tablet, TT = Tube Test

Tube	Display	Reagent	Reagent-form	Code			
24 mm ø 10 mm □ Multivial	Cl ₂	Chlorine Free DPD F10  Chlorine Total DPD F10 	PP PP	100 Pc 100 Pc	530100 530120		1000 530103 1000 530123
16 mm ø	Cl ₂	Acidifying GP Chlorine HR (KI) Combi pack [#] per Chlorine HR (KI) & Acidifying GP	T T T	100 Pc 100 Pc 100 Pc	515480BT 513000BT 517721BT	250 250 250	515481BT 513001BT 517722BT
24 mm ø 24 mm ø 50 mm □	ClO ₂	For concrete use, see handbook of methods DPD No.3 Evo  DPD No.3 HR Evo  Combi pack [#] DPD No.1 & DPD No.3 Evo 	T T T	100 Pc 100 Pc 100 Pc	511420BT 511920BT 517931BT	250 250 250	511421BT 511921BT 517932BT
		DPD No.1  DPD No.3  Combi pack [#] DPD per No.1 & No.3  DPD No.1 High Calcium ^{e)}  DPD No.3 High Calcium ^{e)}  Combi pack [#] DPD per No.1 & No.3 High Calcium ^{e)}  Glycine ^{f)} Combi pack [#] DPD per No.1 & Glycine	T T T T T T T T	100 Pc 100 Pc 100 Pc 100 Pc 100 Pc 100 Pc 100 Pc	511050BT 511080BT 517711BT 515740BT 515730BT 517781BT 512170BT 517731BT	250 250 250 250 250 250 250	511051BT 511081BT 517712BT 515741BT 515731BT 517782BT 512171BT 517732BT
24 mm ø	ClO ₂	Chlorine Free DPD F10  Glycine ^{f)} VARIO Glycine Reagent 10%	PP T	100 Pc 100 Pc	530100 512170BT	250	512171BT 1000 530103

24 mm ø	CyA	CyA-Test 	T	100 Pc	511370BT	250	511370BT
24 mm ø	CyA	CyA HR-Test 	T	100 Pc	511430BT	250	511431BT

24 mm ø	I	DPD No.1  High Calcium	T T	100 Pc 100 Pc	511050BT 515740BT	250 250	511051BT 515741BT	500 511052BT 500 515742BT
24 mm ø 50 mm ø	Cu	Copper No.1  Copper No.2 Combi pack [#] Copper per No.1 & No.2	T T T	100 Pc 100 Pc 100 Pc	513550BT 513560BT 517691BT	250 250 250	513551BT 513561BT 517692BT	
VARIO Chlorine Total DPD F10 		PP		100 Pc	530190		1000	530193
VARIO Chlorine Free DPD F5 		PP		100 Pc	530090		1000	530093
VARIO Chlorine Total DPD F5 		PP		100 Pc	530080		1000	530083
VARIO Chlorine Free DPD F10 		PP		100 Pc	530180		1000	530183
VARIO Chlorine Total DPD F10 		PP		100 Pc	530190		1000	530193
VARIO Chlorine Free DPD F25 		PP		100 Pc	530110		1000	530113
VARIO Chlorine Total DPD F25 		PP		100 Pc	530130		1000	530133
VARIO Glycine Reagent 10%		L		29 mL	532210			

- a) determination of free, combined and total
b) Thermoreactor is necessary for COD (150 °C), TOC (120 °C) and total -chromium, - phosphate, -nitrogen, (100 °C)
c) MultiDirect: Adapter is necessary for Vacu-vials® (Order code 192075)
d) Spectroquant® is a Merck KGaA Trademark
e) alternative reagent, used instead of DPD No.1 / DPD No.3 in case of turbidity in the water sample caused by high concentration of calcium and/or high conductivity
f) additionally required for determination of bromine, chlorine dioxide and ozone in the presence of chlorine
g) Reagent recovers most insoluble iron oxides without digestion

- h) additionally required for samples with hardness values above 300 mg/l CaCO₃
i) high range by dilution
j) Vacu-vials® is a Chemetrics Trademark

including stirring rod

 Green Chemistry

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L = Liquid/Solution, P = Powder, PP = Powder Pack, T = Tablet, TT = Tube Test



Rapid Tests



Compact Pool Test Kits

Item	Code
Chlorine / Bromine / pH LR, in mini case¹⁾ Bromine 0.2-6.8 mg/L Chlorine 0.1-3.0 mg/L pH value 6.8 - 8.2	157700
Chlorine / Bromine / pH LR, in blister²⁾ Bromine 0.2-6.8 mg/L Chlorine 0.1-3.0 mg/L pH value 6.8-8.2	157520
Chlorine / pH HR, in blister²⁾ Chlorine 0.5-6.0 mg/L pH value 6.8-8.2	158010
Active Oxygen / pH, in blister²⁾ Active Oxygen 0-10 mg/L pH value 6.8-8.2	157610
Biguanide (PHMB) / pH, in blister²⁾ Biguanide (PHMB) 10-100 mg/L pH value 6.8-8.2	156150
4 in 1, in plastic case Chlorine LR 0.1-3.0 mg/L pH value 6.8-8.2 Cyanuric acid 20-200 mg/L Alkalinity-m 50-300 mg/L	151700

¹⁾ Packaging unit 10 pcs.

²⁾ Packaging unit 6 pcs.

Delivery content

- Three-Chamber-Tester in a bubble pack or mini case
- Tablet reagents
- Instruction manual



POOLTESTER

Item	Code
Chlorine / pH LR⁴⁾ Chlorine 0.1-3.0 mg/L pH value 6.8-8.2	151600
Chlorine / pH HR⁴⁾ Chlorine 0.5-6.0 mg/L pH value 6.8-8.2	151601
Bromine / pH⁴⁾ Bromine 1.0-8.0 mg/L pH value 6.8-8.2	151604
Active Oxygen / pH⁴⁾ O ₂ 0-10 mg/L pH value 6.8-8.2	151605
Copper LR/HR / pH⁴⁾ Copper LR 0.1-1.0 mg/L & HR 0.5-5.0 mg/L pH value 6.8-8.2	155190
Active Oxygen / Copper / pH⁴⁾ O ₂ 0-10 mg/L Copper 0.1-1.0 mg/L pH value 6.8-8.2	155235
Biguanide (PHMB) / Hydrogen Peroxide (H₂O₂) / pH⁴⁾ PHMB 10-100 mg/L H ₂ O ₂ 5-50 mg/L pH value 6.8-8.2	156100
Phosphate Test Kit³⁾ 0-1000 ppb (0-1mg/L PO ₄)	157800

³⁾ Packaging unit 24 pcs.

⁴⁾ Packaging unit 6 pc

Delivery content

- Pooltester in a sturdy plastic box
- Tablet reagents for 20 tests
- Instruction manual



Multi Pooltester

Item	Code
5 in 1 Multi-Pooltester⁵⁾ Chlorine 0.1 - 3.0 mg/L pH value 6.8 - 8.2 Cyanuric acid 20 - 200 mg/L Alkalinity-m 20 - 800 mg/L Calcium hardness 20 - 800 mg/L	151900

⁵⁾ Packaging unit 5 pcs.

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Delivery content

- 5 in 1 Multi Pooltester
- Pooltester Chlorine - pH LR in a robust plastic case
- Cyanuric acid tube
- Dilution / shaker tube, 100 mL
- Dilution / shaker tube, 30 mL
- Cleaning brush
- Stirring rod
- 20 tablet reagents each DPD No.1 Rapid, DPD No.3 Rapid, Phenol Red Rapid
- 10 tablet reagents each CyA-Test, Alk-Test, CAL-Test
- Instruction manual
- Statements (phrases-H and P)

Refill Packs (tablets)

Item	Code
Chlorine / Bromine / pH* 	515884
30 DPD No.1 Rapid	
30 Phenol Red Rapid	
Active Oxygen / pH*  	515934
30 DPD No.4 Rapid	
30 Phenol Red Rapid	
Active Oxygen / Copper / pH* 	515865
20 DPD No.4 Rapid	
20 Copper No.1	
20 Phenol Red Rapid	
PHMB / H₂O₂ / pH	515870
20 PHMB	
20 H ₂ O ₂	
20 Acidifying PT	
20 Phenol Red Rapid	
PHMB / pH*	516155
30 PHMB	
30 Phenol Red Rapid	
Copper / pH* 	515778
30 Copper No.1	
30 Phenol Red Rapid	
Combi pack for Three-Chamber-Tester 4 in 1	515935
20 DPD No.1 Rapid	
20 Phenol Red Rapid	
20 CyA-Test	
20 Alk LR	
Combi pack for Multipooltester 5 in 1 	515980
20 DPD No.1 Rapid	
20 DPD No.3 Rapid	
20 Phenol Red Rapid	
20 CyA-Test	
10 Alk Test	
10 Cal-Test	

* Each pack contains 12 units

Reagents (tablets)

Item	Quantity	Code
Acidifying PT	100 pc.	515490BT
	250 pc.	515491BT
Alk LR	100 pc.	516040BT
Alk Test	100 pc.	515570BT
Bromthymol Blue Rapid	100 pc.	511630BT
	250 pc.	511631BT
Cal Test	100 pc.	515580BT
Copper No.1 	100 pc.	513550BT
	250 pc.	513551BT
Cyanuric Acid (CyA-Test) 	100 pc.	511370BT
	250 pc.	511371BT
DPD No.1 Rapid	100 pc.	511310BT
	250 pc.	511311BT
	500 pc.	511312BT
DPD No.3 Rapid   	100 pc.	511290BT
	250 pc.	511291BT
	500 pc.	511292BT
DPD No.4 Rapid   	100 pc.	511570BT
	250 pc.	511571BT
	500 pc.	511572BT
Hydrogenperoxide HR	100 pc.	515940BT
	250 pc.	515941BT
Phenol Red Rapid (pH) 	100 pc.	511790BT
	250 pc.	511791BT
	500 pc.	511792BT
PHMB (Biguanide)	100 pc.	515890BT
	250 pc.	515891BT

 also suitable for seawater

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Lovibond®-Rapid tablets DPD and Phenol Red will dissolve quickly, have a guaranteed 10 year shelf-life and are provided in green-printed foil packaging.

Material Safety Data Sheets:



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