

CHECKIT[®]Comparator

with continuous colour scales





Front view of the CHECKIT®Comparator with cells



Test Kit in carrying case, ready to use



Plastic cells, frosted on two sides, volume 10 ml, path length 13.5 mm, with lids



Tablet reagents in blister



CHECKIT®Discs with continuous and stable scales



Rear view of the CHECKIT®Comparator with diffuser plate, cells and disc

CHECKIT®Comparator

The Lovibond® CHECKIT®Comparator is a compact and handy colorimetric unit which is suitable for both mobile and static analysis work. Supplied with a generous number of different colour scales, it provides the basis for a comprehensive, easy-to-use colorimetric analysis system.

CHECKIT®Disc

Each CHECKIT®Disc contains a continuous colour scale which makes it possible to achieve an exact colour match between the colour standard and the sample. These CHECKIT®Discs are specially manufactured in selected materials to retain colour-stability over a long period and guarantee reliable, reproducible measurement results.



Please see pages 20 onwards for tests, ranges and reagents

Highlights

- Easy operation
- Exact reagent dosing
- Tablet reagents with a guaranteed shelf life of 5/10 years
- Measurement accuracy
- Continuous colour scales

CHECKIT® Comparator

Colorimeter for regular testing in Pools and Spas

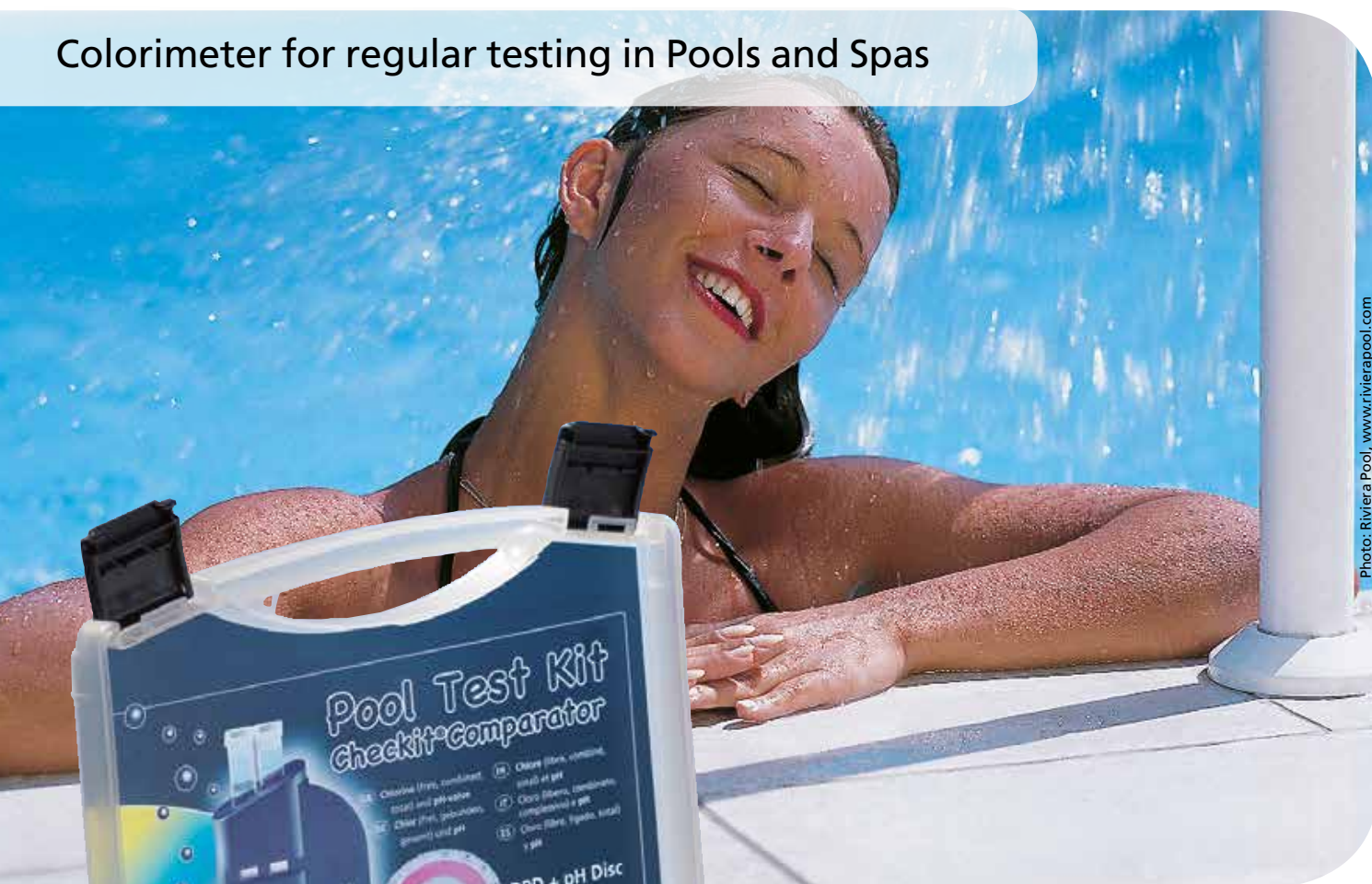


Photo: Riviera Pool, www.rivierapool.com

Test Kits 2 in 1

Test Kit	Code
Chlorine 0 – 1.0 mg/l Cl ₂ * pH value 6.5 – 8.4 pH	14 70 16
Chlorine 0.1 – 2.0 mg/l Cl ₂ * pH value 6.5 – 8.4 pH	14 70 46
Chlorine 0 – 4.0 mg/l Cl ₂ * pH value 6.5 – 8.4 pH	14 70 26
Bromine 0 – 5.0 mg/l Br pH value 6.5 – 8.4 pH	14 72 85
Copper 0 – 1.0 mg/l Cu pH value 6.5 – 8.4 pH	14 72 35

Delivery content

- CHECKIT®Comparator in a sturdy plastic case
- CHECKIT®Disc(s)
- 3 cells & 1 stirring rod
- Tablet reagents for 30 tests each
- Warranty information
- Instruction manual

Test Kit 5 in 1

Water Balance	Code
Chlorine 0 – 4.0 mg/l Cl ₂ * pH value 6.5 – 8.4 pH Cyanuric acid (turbidity method)* 20 – 200 mg/l Cys Calcium hardness (Speed-Test)* 20 – 800 mg/l CaCO ₃ Total Alkalinity (Speed-Test)* 20 – 800 mg/l CaCO ₃	14 70 28

Disc readings see following pages

* All test kits for chlorine are for "free, combined and total chlorine"

** Reagents for turbidity method and speed-test (Test-Kit 5 in 1) see Minikit, page 11

➔ Please see pages 20 onwards for tests, ranges and reagents

Single Parameter Test Kits

Test Kit	Range* (± 5 % Full Scale)	Reagent	Code
Aluminium	0 - 0.3 mg/l Al	Tablets	14 72 00
Ammonia ★	0 - 1 mg/l N	Tablets	14 72 10
Bromine	0 - 5 mg/l Br	Tablets	14 72 80
Chlorine (DPD), free, comb., total ★	0 - 1 mg/l Cl ₂	Tablets	14 70 10
Chlorine (DPD), free, comb., total ★	0 - 2 mg/l Cl ₂	Tablets	14 70 40
Chlorine (DPD), free, comb., total ★	0 - 4 mg/l Cl ₂	Tablets	14 70 20
Chlorine (DPD) free+total ★	0 - 3.5 mg/l Cl ₂	Powder Reagents	14 70 52
Copper , free	0 - 1 mg/l Cu	Tablets	14 72 30
Copper , free + total ★	0 - 5 mg/l Cu	Tablets	14 74 30
Iron ★	1 - 10 mg/l Fe	Tablets	14 73 20
Iron ★	0.05 - 1 mg/l Fe	Tablets	14 72 20
Ozone (DPD)	0 - 1.0 mg/l O ₃	Tablets	14 72 75
Ozone (in presence of chlorine)	0 - 1.0 mg/l O ₃	Tablets	14 72 70
pH value (Phenol red)	6.5 - 8.4 pH	Tablets	14 71 00
pH value (Bromocresol purple)	5.2 - 6.8 pH	Tablets	14 71 10
pH value (Universal)	4 - 10 pH	Tablets	14 71 30
Phosphate	0 - 4 mg/l PO ₄	Tablets	14 72 40
Phosphate ★	0 - 80 mg/l PO ₄	Tablets	14 72 50
Sodiumhypochlorite	2 - 18 % NaOCl	Tablets	14 74 90
Total Alkalinity	20 - 240 mg/l CaCO ₃	Tablets	14 74 50

* Disc readings see following pages

★ also suitable for seawater

Delivery content

- CHECKIT®Disc
- 2 cells & 1 stirring rod
- Tablet reagents for 30 tests
- Instruction manual

Testpak

The Testpak is a simple and cost-effective means of extending the use of an existing CHECKIT®Comparator instrument to a new test parameter.

All you need is the basic CHECKIT®Comparator, order code 14 50 00.

Testpaks: see following pages.



Plastic cells in pack, available:

5 cells - 14 55 05
10 cells - 14 55 00
100 cells - 14 55 10

CHECKIT[®]Comparator

Tests, Test Kits, Testpaks, Discs, Reagents

Test	Range	Readings (Accuracy ± 5 % Fullscale)	Test Kit	Testpak
Aluminium Tablets	0 - 0.3 mg/l Al	0 / 0.01 / 0.02 / 0.03 / 0.04 / 0.05 / 0.06 / 0.07 / 0.08 / 0.09 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3	14 72 00	14 77 00
Ammonia ★ Tablets	0 - 1 mg/l N	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 / 0.75 / 0.8 / 0.9 / 0.95 / 1.0	14 72 10	14 77 10
Bromine Tablets	0 - 5 mg/l Br	0 / 0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 1.2 / 1.4 / 1.6 / 1.8 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5	14 72 80	14 77 80
Chlorine ★ free, combined, total Tablets	0 - 1 mg/l Cl ₂	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 / 0.75 / 0.8 / 0.85 / 0.9 / 0.95 / 1.0	14 70 10	14 75 10
Chlorine ★ free, combined, total Tablets	0 - 2 mg/l Cl ₂	0 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.3 / 1.4 / 1.6 / 1.8 / 2.0	14 70 40	14 75 40
Chlorine ★ free, combined, total Tablets	0 - 4 mg/l Cl ₂	0 / 0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 1.2 / 1.4 / 1.6 / 1.8 / 2.0 / 2.5 / 3.0 / 3.5 / 4.0	14 70 20	14 75 20
Chlorine ★ free, combined, total Powder Reagent	0 - 3.5 mg/l Cl ₂	0 / 0.2 / 0.4 / 0.6 / 0.8 / 1 / 1.2 / 1.4 / 1.6 / 1.8 / 2 / 2.2 / 2.4 / 2.6 / 2.8 / 3 / 3.2 / 3.4 / 3.5	14 70 52	14 75 50, free 14 75 51, total
Copper , free (Cu ²⁺) Tablets	0 - 1 mg/l Cu	0 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0	14 72 30	14 77 30
Copper HR free and total Tablets	0 - 5 mg/l Cu	0 / 0.5 / 1.0 / 1.5 / 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 4.5 / 5.0	14 74 30	14 79 30

* RAPID: fast dissolving tablets, # including stirring rod, ★ also suitable for seawater

Disc	Reagents	Quantity	Code
14 62 00	ALUMINIUM No.1	100	51 54 60 BT
		250	51 54 61 BT
	ALUMINIUM No.2	100	51 54 70 BT
		250	51 54 71 BT
	Combi pack [#]	each 100	51 76 01 BT
	ALUMINIUM No.1 / No.2	each 250	51 76 02 BT
14 62 10	AMMONIA No.1	100	51 25 80 BT
		250	51 25 81 BT
	AMMONIA No.2	100	51 25 90 BT
		250	51 25 91 BT
	Combi pack [#]	each 100	51 76 11 BT
	AMMONIA No.1 / No.2	each 250	51 76 12 BT
14 62 80	DPD No.1-RAPID*	100	51 13 10 BT
		250	51 13 11 BT
		500	51 13 12 BT
14 60 10	DPD No.1-RAPID*	100	51 13 10 BT
		250	51 13 11 BT
		500	51 13 12 BT
	DPD No.3-RAPID*	100	51 12 90 BT
		250	51 12 91 BT
		500	51 12 92 BT
	DPD No.4-RAPID*	100	51 15 70 BT
		250	51 15 71 BT
		500	51 15 72 BT
14 60 40	DPD No.1/3/4-RAPID*		
14 60 20	DPD No.1/3/4-RAPID*		
14 60 50	VARIO Chlorine Free DPD F5	100	53 00 90
	VARIO Chlorine Total DPD F5	100	53 00 80
14 62 30	COPPER/ZINC LR	100	51 26 20 BT
		250	51 26 21 BT
14 64 30	COPPER No. 1	100	51 35 50 BT
		250	51 35 51 BT
	COPPER No. 2	100	51 35 60 BT
		250	51 35 61 BT
	Combi pack [#]	each 100	51 76 91 BT
	COPPER No.1 / No.2	each 250	51 76 92 BT



CHECKIT[®]Comparator

Tests, Test Kits, Testpaks, Discs, Reagents

Test	Range	Readings (Accuracy ± 5 % Fullscale)	Test Kit	Testpak
Iron LR ★ Tablets	0 - 1 mg/l Fe	0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 / 0.75 / 0.8 / 0.9 / 1.0	14 72 20	14 77 20
Iron HR ★ Tablets	1 - 10 mg/l Fe	1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 10	14 73 20	14 78 20
Ozone (DPD) Tablets	0 - 1.0 mg/l O ₃	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 / 0.75 / 0.8 / 0.9 / 1.0	14 72 75	14 77 75
Ozone (DPD) in the presence of chlorine	0 - 1.0 mg/l O ₃	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5 / 0.55 / 0.6 / 0.65 / 0.7 / 0.75 / 0.8 / 0.9 / 1.0	14 72 70	14 77 70
pH Tablets	5.2 - 6.8 pH	5.2 / 5.3 / 5.4 / 5.5 / 5.6 / 5.7 / 5.8 / 5.9 / 6.0 / 6.1 / 6.2 / 6.3 / 6.4 / 6.5 / 6.6 / 6.7 / 6.8	14 71 10	14 76 10
pH Tablets	4 - 10 pH	4 / 4.5 / 5 / 5.5 / 6 / 6.5 / 7 / 7.5 / 8 / 8.5 / 9 / 9.5 / 10	14 71 30	14 76 30
Phosphate HR ★ Tablets	0 - 80 mg/l PO ₄	0 / 5 / 10 / 15 / 20 / 25 / 30 / 35 / 40 / 45 / 50 / 55 / 60 / 65 / 70 / 75 / 80	14 72 50	14 77 50
Phosphate LR Tablets	0 - 4 mg/l PO ₄	0 / 0.25 / 0.5 / 0.75 / 1.0 / 1.25 / 1.5 / 1.75 / 2.0 / 2.25 / 2.5 / 2.75 / 3.0 / 3.25 / 3.5 / 3.75 / 4.0	14 72 40	14 77 40
Sodiumhypochlorite Tablets	2 - 18 %	2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 18	14 74 90	14 79 90
Total Alkalinity Tablets	20 - 240 mg/l CaCO ₃	20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100 / 110 / 120 / 130 140 / 150 / 160 / 170 / 180 / 190 / 200 / 220 / 240	14 74 50	14 79 50

* RAPID: fast dissolving tablets, # including stirring rod, ★ also suitable for seawater

Disc	Reagents	Quantity	Code
14 62 20	IRON LR (Fe ²⁺ and Fe ³⁺)	100	51 53 70 BT
		250	51 53 71 BT
	IRON (II) LR (Fe ²⁺)	100	51 54 20 BT
14 63 20	IRON HR	100	51 53 80 BT
		250	51 53 81 BT
14 62 75	DPD No. 4	100	51 12 20 BT
		250	51 12 21 BT
14 62 70	DPD No. 4	100	51 12 20 BT
		250	51 12 21 BT
	DPD Glycine	100	51 21 70 BT
		250	51 21 71 BT
14 61 10	BROMOCRESOL PURPLE	100	51 17 30
		250	51 17 31
14 61 30	UNIVERSAL PH	100	51 54 40
		250	51 54 41
14 62 50	PHOSPHATE HR	100	51 19 80 BT
14 62 40	PHOSPHATE No. 1 LR	100	51 30 40 BT
	PHOSPHATE No. 2 LR	100	51 30 50 BT
	Combi pack [#]	each 100	51 76 51 BT
	PHOSPHATE No.1 LR / No.2 LR		
14 64 90	CHLORINE HR (KI)	100	51 30 00 BT
		250	51 30 01 BT
	ACIDIFYING GP	100	51 54 80 BT
		250	51 54 81 BT
	Combi pack [#]	each 100	51 77 21 BT
	CHLORINE HR (KI)/ACIDIFYING GP	each 250	51 77 22 BT
	Dilution set for sample preparation	1	41 44 70
14 64 50	ALKACHECK	100	51 32 00 BT
		250	51 32 01 BT

Material Safety Data Sheets: www.lovibond.com

