

# CHECKIT<sup>®</sup> Comparator



## Applications

- Water Treatment (e.g. Drinking Water)
- Pools
- Laboratory and Field Testing
- Special Applications

## Discs with continuous colour scale

- low cost
- precise
- reliable



Front view of the CHECKIT® Comparator with cells



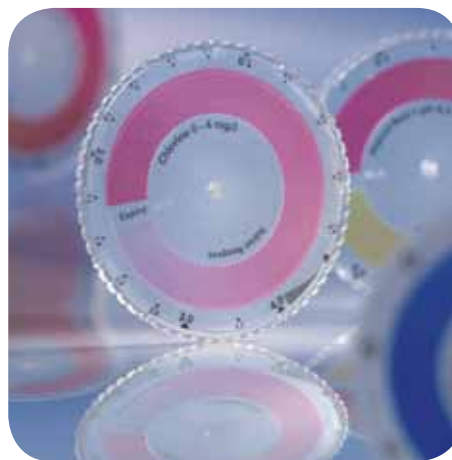
Test Kit complete in case



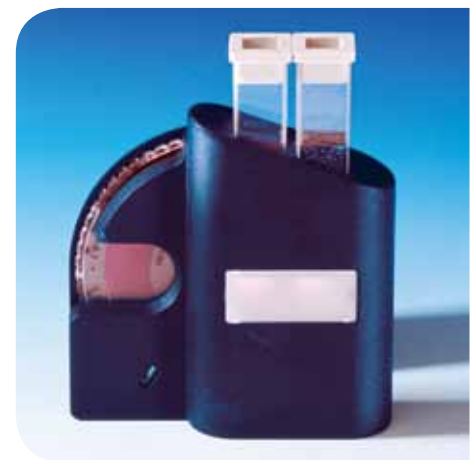
Plastic cells, frosted on two sides, volume 10 ml, path length 13.5 mm, with lid



Tablet reagents in foil blister strip



CHECKIT® Discs with continuous colour scales



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

## CHECKIT® Comparator

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

The CHECKIT® Comparator D55 enables the use of large path lengths. The mirror optics makes use of the view through the entire length of the cell.

## 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 remain colour-stability over a long period and guarantee reliable, reproducible measurement results.

Instruction manuals explaining the various stages of analysis in simple, straightforward terms, are supplied with each CHECKIT® Disc.

➔ Please see pages 16 onwards for tests, ranges and reagents

## Highlights

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

# CHECKIT<sup>®</sup> Comparator

Regular  
Testing to  
observe the  
Water Quality



## Test Kits 2 in 1

Together with the CHECKIT® Comparator, each test kit includes CHECKIT® Discs, cells, stirring rod and Lovibond® reagents (for 30 tests) for the desired test.

The test kits are supplied in a sturdy and handy plastic case.

The operating instructions provide a step-by-step explanation of how to conduct the water test, ensuring that even "non-chemists" can achieve reliable and accurate measurements in the minimum of time.

Test-Kits	Code
<b>Chlorine</b> 0 – 1.0 mg/l Cl <sub>2</sub> <b>pH value</b> 6.5 – 8.4 pH Pool version	14 70 15 14 70 16
<b>Chlorine</b> 0.1 – 2.0 mg/l Cl <sub>2</sub> <b>pH value</b> 6.5 – 8.4 pH Pool version	14 70 45 14 70 46
<b>Chlorine</b> 0 – 4.0 mg/l Cl <sub>2</sub> <b>pH value</b> 6.5 – 8.4 pH Pool version	14 70 25 14 70 26
<b>Bromine</b> 0 – 5.0 mg/l Br <b>pH value</b> 6.5 – 8.4 pH	14 72 85
<b>Copper</b> 0 – 1.0 mg/l Cu <b>pH value</b> 6.5 – 8.4 pH	14 72 35

## Test-Kit 5 in 1

Test-Kits	Code
<b>Chlorine</b> 0 – 4.0 mg/l Cl <sub>2</sub> <b>pH value</b> 6.5 – 8.4 pH <b>Cyanuric acid</b> (Turbidity method)* 20 – 200 mg/l Cys <b>Calcium hardness</b> (Speed-Test)* 20 – 800 mg/l CaCO <sub>3</sub> <b>Total Alkalinity (M)</b> (Speed-Test)* 20 – 800 mg/l CaCO <sub>3</sub>	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.



## Single Parameter Test Kits

Test	Range* (Accuracy ±5% F.S.)	Code
<b>Aluminium</b>	0 - 0.3 mg/l Al	14 72 00
<b>Ammonia</b>	0 - 1 mg/l N	14 72 10
<b>Ammonia</b> , Powder Pack	0 - 0.5 mg/l N	14 72 11
<b>Bromine</b>	0 - 5 mg/l Br	14 72 80
<b>Chlorine</b> (DPD)** free, combined, total	0.02 - 0.3 mg/l Cl <sub>2</sub>	14 70 00
<b>Chlorine</b> (DPD) free, combined, total	0 - 1 mg/l Cl <sub>2</sub>	14 70 10
<b>Chlorine</b> (DPD) free, combined, total	0 - 2 mg/l Cl <sub>2</sub>	14 70 40
<b>Chlorine, free</b> (DPD), Powder Pack	0 - 3.5 mg/l Cl <sub>2</sub>	14 70 50
<b>Chlorine, total</b> (DPD), Powder Pack	0 - 3.5 mg/l Cl <sub>2</sub>	14 70 51
<b>Chlorine, free + total</b> (DPD), Powder Packs	0 - 3.5 mg/l Cl <sub>2</sub>	14 70 52
<b>Chlorine</b> (DPD) free, combined, total	0 - 4 mg/l Cl <sub>2</sub>	14 70 20
<b>Chlorine KI</b>	10 - 300 mg/l Cl <sub>2</sub> (total)	14 70 30
<b>Chlorine dioxide**</b>	0.01 - 0.2 mg/l ClO <sub>2</sub>	14 73 30
<b>Copper, free (Cu<sup>2+</sup>)</b>	0 - 1 mg/l Cu	14 72 30
<b>Copper HR</b> , free + total	0 - 5 mg/l Cu	14 74 30
<b>Copper HR</b> , free, Powder Pack	0 - 5 mg/l Cu	14 74 31
<b>Copper LR**</b> , free + total	0 - 1 mg/l Cu	14 74 40
<b>Copper LR**</b> , free, Powder Pack	0 - 1 mg/l Cu	14 74 41
<b>DEHA</b>	0 - 0.5 mg/l DEHA	14 73 70
<b>Fluoride</b> , Testpak available only	0.2 - 2 mg/l F	
<b>Iron HR</b>	1 - 10 mg/l Fe	14 73 20
<b>Iron LR</b>	0.05 - 1 mg/l Fe	14 72 20
<b>Iron (TPTZ)</b> , Powder Pack	0 - 1.8 mg/l Fe	14 74 70
<b>Manganese LR</b> , Testpak available only	0.1 - 0.7 mg/l Mn	
<b>Manganese VLR</b> , Testpak available only	0.02 - 0.2 mg/l Mn	
<b>Molybdate LR**</b>	0 - 10 mg/l MoO <sub>4</sub>	14 72 91
<b>Molybdate HR</b>	0 - 100 mg/l MoO <sub>4</sub>	14 72 90
<b>Molybdate HR</b>	50 - 500 mg/l MoO <sub>4</sub>	14 72 95
<b>Nitrate LR</b> , Testpak available only	0 - 1 mg/l NO <sub>3</sub>	
<b>Nitrite LR</b>	0 - 0.5 mg/l N	14 73 00
<b>Nitrite</b> , Powder Pack	0 - 0.3 mg/l N	14 73 01
<b>Ozone</b> (DPD), in the presence of chlorine	0 - 1.0 mg/l O <sub>3</sub>	14 72 70
<b>Ozone</b> (DPD)	0 - 1.0 mg/l O <sub>3</sub>	14 72 75
<b>pH value</b> (Phenol red)	6.5 - 8.4 pH	14 71 00
<b>pH value</b> (Bromocresol purple)	5.2 - 6.8 pH	14 71 10
<b>pH value</b> (Bromothymol blue)	6.0 - 7.6 pH	14 71 20
<b>pH value</b> (Universal)	4 - 10 pH	14 71 30
<b>Phosphate</b> , Powder Pack	0 - 2.5 mg/l PO <sub>4</sub>	14 74 80
<b>Phosphate HR</b>	0 - 80 mg/l PO <sub>4</sub>	14 72 50
<b>Phosphate LR</b>	0 - 4 mg/l PO <sub>4</sub>	14 72 40
<b>Silica LR</b>	0.25 - 4 mg/l SiO <sub>2</sub>	14 73 50
<b>Silica HR</b> , Powder Pack	0 - 100 mg/l SiO <sub>2</sub>	14 73 51
<b>Silica VLR**</b>	0 - 1 mg/l SiO <sub>2</sub>	14 73 60
<b>Sodiumhypochlorite</b>	2 - 18 %	14 74 90
<b>Sulfite LR</b>	0.5 - 10 mg/l SO <sub>3</sub>	14 73 80
<b>Total Alkalinity</b>	20 - 240 mg/l CaCO <sub>3</sub>	14 74 50
<b>Zinc LR</b>	0 - 1 mg/l Zn	14 73 40

\* Disc readings see following pages

\*\* Only with CHECKIT® Comparator D55 with mirror optics (path length 55 mm)

## 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.

Each Testpak contains the required CHECKIT® Disc, tablet reagents (normally for 30 tests), two cells, stirring rod and detailed instructions for the desired method.

Please contact our sales departments for further information: [sales@tintometer.de](mailto:sales@tintometer.de)

# CHECKIT<sup>®</sup> Comparator

## Tests, Test Kits, Testpaks, Discs, Reagents

Test	Range	Readings (Accuracy ± 5% Full Scale)	Test Kit	Testpak
<b>Aluminium</b>	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
<b>Ammonia</b>	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
<b>Ammonia VARIO</b>	0 - 0.5 mg/l N	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5	14 72 11	14 77 11
<b>Bromine</b>	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
<b>Chlorine</b> free, combined**, total	0 - 1 mg/l Cl <sub>2</sub>	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
<b>Chlorine</b> free, combined**, total	0 - 2 mg/l Cl <sub>2</sub>	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
<b>Chlorine</b> free, combined**, total	0 - 4 mg/l Cl <sub>2</sub>	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
<b>Chlorine</b> free, combined**, total	0 - 3.5 mg/l Cl <sub>2</sub>	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, frei 14 75 51, gesamt
<b>Chlorine</b> free, combined**, total	0.02 - 0.3 mg/l Cl <sub>2</sub>	0.02 / 0.03 / 0.04 / 0.05 / 0.06 / 0.07 / 0.08 / 0.09 / 0.1 / 0.11 / 0.12 / 0.13 / 0.14 / 0.15 / 0.16 / 0.17 / 0.18 / 0.19 / 0.2 / 0.22 / 0.24 / 0.26 / 0.28 / 0.3	14 70 00	14 75 00
** maybe calculated by deducting free from total chlorine		only with CHECKIT <sup>®</sup> Comparator D55 with mirror optics (path length 55 mm)		

\* RAPID: fast dissolving tablet  
# including stirring rod

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 <sup>#</sup> ALUMINIUM No.1 / No.2	each 100 each 250	51 76 01 BT 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 <sup>#</sup> AMMONIA No.1 / No.2	each 100 each 250	51 76 11 BT 51 76 12 BT
14 62 11	VARIO Ammonia Salicylate F10 VARIO Ammonia Cyanurate F10	Powder Pack / 200 Powder Pack / 200 <b>Set</b>	53 55 00
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
	DPD No.4-RAPID*	500	51 12 92 BT
		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 60 00	DPD No.1	100	51 10 50 BT
		250	51 10 51 BT
		500	51 10 52 BT
	DPD No.3	100	51 10 80 BT
		250	51 10 81 BT
		500	51 10 82 BT
	Combi pack <sup>#</sup> DPD No.1 / No.3	each 100	51 77 11 BT
		each 250	51 77 12 BT



CHECKIT®Discs

Material Safety Data Sheets: [www.lovibond.com](http://www.lovibond.com)

<sup>†</sup> additionally required for determination of chlorine dioxide / ozone in the presence of chlorine

# CHECKIT<sup>®</sup> Comparator

## Tests, Test Kits, Testpaks, Discs, Reagents

Test	Range	Readings (Accuracy ± 5% Full Scale)	Test Kit	Testpak
<b>Chlorine KI</b> total only	10 - 300 mg/l Cl <sub>2</sub>	10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100 / 110 / 120 / 130 / 140 / 150 / 160 / 170 / 180 / 190 / 200 / 250 / 300	14 70 30	14 75 30
<b>Chlorine dioxide</b>	0.01 - 0.2 mg/l ClO <sub>2</sub>	0.01 / 0.02 / 0.03 / 0.04 / 0.05 / 0.06 / 0.07 / 0.08 / 0.09 / 0.1 / 0.11 / 0.12 / 0.13 / 0.14 / 0.15 / 0.16 / 0.17 / 0.18 / 0.19 / 0.2  only with CHECKIT <sup>®</sup> Comparator D55 with mirror optics (path length 55 mm)	14 73 30	14 78 30
<b>Copper, free (Cu<sup>2+</sup>)</b>	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
<b>Copper HR</b> free and total	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
<b>Copper HR, free only</b>	0 - 5 mg/l Cu	0 / 0.5 / 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 5	14 74 31	14 79 31
<b>Copper LR</b> free and total	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  only with CHECKIT <sup>®</sup> Comparator D55 with mirror optics (path length 55 mm)	14 74 40	14 79 40
<b>Copper LR, free only</b>	0 - 1 mg/l Cu	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0 only with CHECKIT <sup>®</sup> Comparator D55 with mirror optics (path length 55 mm)	14 74 41	14 79 41
<b>DEHA</b>	0 - 0.5 mg/l DEHA	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5	14 73 70	14 78 70
<b>Fluoride</b>  Testpak available only	0.2 - 2 mg/l F	0.2 / 0.4 / 0.6 / 0.8 / 1.0 / 1.2 / 1.4 / 1.6 / 1.8 / 2.0	-----	14 78 90

\* RAPID: fast dissolving tablet  
# including stirring rod

Disc	Reagents	Quantity	Code
14 60 30	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 CHLORINE HR (KI)/ACIDIFYING GP	each 100 each 250 <sup>†</sup>	51 77 21 BT 51 77 22 BT
14 63 30	DPD No. 1	100	51 10 50 BT
		250	51 10 51 BT
	DPD Glycine <sup>†)</sup>	100	51 21 70 BT
		250	51 21 71 BT
	Combi pack <sup>#</sup> DPD No.1 / GLYCINE	each 100 each 250	51 77 31 BT 51 77 32 BT
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 <sup>#</sup> COPPER No.1 / No.2	each 100 each 250	51 76 91 BT 51 76 92 BT
14 64 31	Vario Cu1 F10	100	53 03 00
14 64 40	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 <sup>#</sup> COPPER No.1 / No.2	each 100 each 250	51 76 91 BT 51 76 92 BT
14 64 41	Vario Cu1 F10	100	53 03 00
14 63 70	DEHA	100	51 32 20 BT
		250	51 32 21 BT
	DEHA solution	15 ml	46 11 85
	DEHA solution	100 ml	46 11 81
	Plastic funnel with handle	1	47 10 07
14 63 90	SPADNS reagent solution	250 ml	46 74 81
		500 ml	46 74 82
	Help for pipette	1	36 50 55
	Pipette 2 ml	1	36 50 50



Test Kit complete in case

Material Safety Data Sheets: [www.lovibond.com](http://www.lovibond.com)

<sup>†)</sup> additionally required for determination of chlorine dioxide / ozone in the presence of chlorine



# CHECKIT<sup>®</sup> Comparator

## Tests, Test Kits, Testpaks, Discs, Reagents

Test	Range	Readings (Accuracy ± 5% Full Scale)	Test Kit	Testpak
<b>Iron LR</b>	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
<b>Iron HR</b>	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
<b>Iron (TPTZ)</b>	0 - 1.8 mg/l Fe	0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1 / 1.1 / 1.2 / 1.3 / 1.4 / 1.5 / 1.6 / 1.7 / 1.8	14 74 70	14 79 70
<b>Manganese LR</b> Testpak available only	0.1 - 0.7 mg/l Mn	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	-----	14 79 10
<b>Manganese VLR</b> Testpak available only	0.02 - 0.2 mg/l Mn	0.02 / 0.03 / 0.04 / 0.05 / 0.06 / 0.07 / 0.08 / 0.09 / 0.1 / 0.11 / 0.12 / 0.13 / 0.14 / 0.15 / 0.16 / 0.18 / 0.2	-----	14 79 20
		only with CHECKIT <sup>®</sup> Comparator D55 with mirror optics (path length 55 mm)		
<b>Molybdate HR</b>	0 - 100 mg/l MoO <sub>4</sub>	0 / 5 / 10 / 15 / 20 / 25 / 30 / 35 / 40 / 45 / 50 / 55 / 60 / 65 / 70 / 75 / 80 / 85 / 90 / 95 / 100	14 72 90	14 77 90
<b>Molybdate HR</b>	50 - 500 mg/l MoO <sub>4</sub>	50 / 100 / 150 / 200 / 250 / 300 / 500	14 72 95	14 77 95
<b>Molybdate LR</b>	0 - 10 mg/l MoO <sub>4</sub>	0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10	14 72 91	14 77 91
		only with CHECKIT <sup>®</sup> Comparator D55 with mirror optics (path length 55 mm)		

\* RAPID: fast dissolving tablet  
# including stirring rod

Disc	Reagents	Quantity	Code
14 62 20	IRON LR (Fe <sup>2+</sup> and Fe <sup>3+</sup> )	100	51 53 70 BT
		250	51 53 71 BT
	IRON (II) LR (Fe <sup>2+</sup> )	100	51 54 20 BT
14 63 20	IRON HR	100	51 53 80 BT
		250	51 53 81 BT
14 64 70	Vario Iron TPTZ F10	100	53 05 50
14 64 10	VARIO Manganese Reagent, LR F10	1 Set	53 50 90
	consists of:		
	VARIO Alkaline-Cyanide Solution	60 ml	
	Vario Ascorbic Acid	100	
	Vario PAN Indicator Solution	60 ml	
Accessories:	VARIO Rochelle Salt Solution	30 ml	53 06 40
	needs for samples with hardness values above 300 mg/l CaCO <sub>3</sub>		
14 64 20	VARIO Manganese Reagent, LR F10	1 Set	53 50 90
	consists of:		
	VARIO Alkaline-Cyanide Solution	60 ml	
	Vario Ascorbic Acid	100	
	Vario PAN Indicator Solution	60 ml	
Accessories:	VARIO Rochelle Salt Solution	30 ml	53 06 40
	needs for samples with hardness values above 300 mg/l CaCO <sub>3</sub>		
14 62 90	MOLYBDATE No. 1 HR	100	51 30 60 BT
		250	51 30 61 BT
	MOLYBDATE No. 2 HR	100	51 30 70 BT
		250	51 30 71 BT
	Combi pack <sup>#</sup>	each 100	51 76 31 BT
MOLYBDATE No.1 HR / No.2 HR	each 250	51 76 32 BT	
14 62 95	MOLYBDATE No. 1 HR	100	51 30 60 BT
		250	51 30 61 BT
	MOLYBDATE No. 2 HR	100	51 30 70 BT
		250	51 30 71 BT
	Combi pack <sup>#</sup>	each 100	51 76 31 BT
MOLYBDATE No.1 HR / No.2 HR	each 250	51 76 32 BT	
14 62 91	MOLYBDATE No. 1 HR	100	51 30 60 BT
		250	51 30 61 BT
	MOLYBDATE No. 2 HR	100	51 30 70 BT
		250	51 30 71 BT
	Combi pack <sup>#</sup>	each 100	51 76 31 BT
MOLYBDATE No.1 HR / No.2 HR	each 250	51 76 32 BT	



Plastic cells, volume 10 ml

Material Safety Data Sheets: [www.lovibond.com](http://www.lovibond.com)

<sup>†</sup> additionally required for determination of chlorine dioxide / ozone in the presence of chlorine

# CHECKIT<sup>®</sup> Comparator

## Tests, Test Kits, Testpaks, Discs, Reagents

Test	Range	Readings (Accuracy ± 5% Full Scale)	Test Kit	Testpak
<b>Nitrate LR</b> Testpak available only	0 - 1 mg/l N	0 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0	-----	14 78 10
<b>Nitrite LR</b>	0 - 0.5 mg/l N	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5	14 73 00	14 78 00
<b>Nitrite VARIO</b>	0 - 0.3 mg/l N	0 / 0.01 / 0.02 / 0.03 / 0.04 / 0.05 / 0.06 / 0.07 / 0.08 / 0.09 / 0.10 / 0.11 / 0.12 / 0.13 / 0.14 / 0.15 / 0.16 / 0.17 / 0.18 / 0.19 / 0.20 / 0.21 / 0.22 / 0.23 / 0.24 / 0.25 / 0.26 / 0.27 / 0.28 / 0.29 / 0.30	14 73 01	14 78 01
<b>Ozone (DPD)</b> in the presence of chlorine	0 - 1.0 mg/l O <sub>3</sub>	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
<b>Ozone (DPD)</b>	0 - 1.0 mg/l O <sub>3</sub>	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
<b>pH</b>	5.2 - 6.8 pH 6.0 - 7.6 pH 6.5 - 8.4 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 6.0 / 6.1 / 6.2 / 6.3 / 6.4 / 6.5 / 6.6 / 6.7 / 6.8 / 6.9 / 7.0 / 7.1 / 7.2 / 7.3 / 7.4 / 7.5 / 7.6 6.5 / 6.6 / 6.7 / 6.8 / 6.9 / 7.0 / 7.1 / 7.2 / 7.3 / 7.4 / 7.5 / 7.6 / 7.7 / 7.8 / 7.9 / 8.0 / 8.1 / 8.2 / 8.3 / 8.4	14 71 10 14 71 20 14 71 00	14 76 10 14 76 20 14 76 00
<b>pH-Universal</b>	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
<b>Phosphate HR</b>	0 - 80 mg/l PO <sub>4</sub>	0 / 5 / 10 / 15 / 20 / 25 / 30 / 35 / 40 / 45 / 50 / 55 / 60 / 65 / 70 / 75 / 80	14 72 50	14 77 50
<b>Phosphate LR</b>	0 - 4 mg/l PO <sub>4</sub>	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
<b>Phosphate</b>	0 - 2.5 mg/l PO <sub>4</sub>	0 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1 / 1.1 / 1.2 / 1.3 / 1.4 / 1.5 / 1.6 / 1.7 / 1.8 / 1.9 / 2 / 2.1 / 2.2 / 2.3 / 2.4 / 2.5	14 74 80	14 79 80

\* RAPID: fast dissolving tablet  
# including stirring rod

Disc	Reagents	Quantity	Code
14 63 10	NITRITE LR	100	51 23 10BT
		250	51 23 11BT
	NITRATE-Test tablets	100 (bottle)	50 28 10
	NITRATE Test powder	15 g	46 52 30
	NITRATE Test tube	1	36 62 20
14 63 00	NITRITE LR	100	51 23 10BT
		250	51 23 11BT
14 63 01	VARIO Nitri 3 F10	Powder Pack / 100	53 09 80
14 62 70	DPD No. 4	100	51 12 20 BT
		250	51 12 21 BT
	DPD Glycine <sup>†)</sup>	100	51 21 70 BT
		250	51 21 71 BT
14 62 75	DPD No. 4	100	51 12 20 BT
		250	51 12 21 BT
14 61 10	BROMOCRESOL PURPLE	100	51 17 30
		250	51 17 31
14 61 20	BROMOTHYMOL BLUE	100	51 16 40 BT
		250	51 16 41 BT
14 61 00	PHENOL RED-RAPID*	100	51 17 90 BT
		250	51 17 91 BT
14 61 30	UNIVERSAL PH	100	51 54 40
		250	51 54 41
14 62 50	PHOSPHATE HR	100	51 19 80
		250	51 19 81
14 62 40	PHOSPHATE No. 1 LR	100	51 30 40
		250	51 30 41
	PHOSPHATE No. 2 LR	100	51 30 50 BT
		250	51 30 51 BT
	Combi pack <sup>#</sup>	each 100	51 76 51 BT
	PHOSPHATE No.1 LR / No.2 LR	each 250	51 76 52 BT
14 64 80	Vario PHOS 3 F10	100	53 15 50



CHECKIT®Comparator with powder reagent/ tablets

Material Safety Data Sheets: [www.lovibond.com](http://www.lovibond.com)

<sup>†)</sup> additionally required for determination of chlorine dioxide / ozone in the presence of chlorine

# CHECKIT<sup>®</sup> Comparator

## Tests, Test Kits, Testpaks, Discs, Reagents

Test	Range	Readings (Accuracy ± 5% Full Scale)	Test Kit	Testpak
<b>Silica LR</b>	0.25 - 4 mg/l SiO <sub>2</sub>	0.25 / 0.5 / 0.75 / 1.0 / 1.25 / 1.5 / 1.75 / 2.0 / 2.5 / 3.0 / 3.5 / 4	14 73 50	14 78 50
<b>Silica HR VARIO</b>	0 - 100 mg/l SiO <sub>2</sub>	0 / 10 / 20 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100	14 73 51	14 78 51
<b>Silica VLR</b>	0 - 1 mg/l SiO <sub>2</sub>	0 / 0.05 / 0.1 / 0.15 / 0.2 / 0.25 / 0.3 / 0.35 / 0.4 / 0.45 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0	14 73 60	14 78 60
<b>Sodiumhypochlorite</b>	2 - 18 %	2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14 / 15 / 16 / 18	14 74 90	14 79 90
<b>Sulfite LR</b>	0.5 - 10 mg/l SO <sub>3</sub> <sup>2-</sup>	0.5 / 1 / 1.5 / 2 / 2.5 / 3 / 3.5 / 4 / 4.5 / 5 / 6 / 7 / 8 / 9 / 10	14 73 80	14 78 80
<b>Total Alkalinity</b>	20 - 240 mg/l CaCO <sub>3</sub>	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
<b>Zinc LR</b>	0 - 1 mg/l Zn	0 / 0.1 / 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.7 / 0.8 / 0.9 / 1.0	14 73 40	14 78 40

\* RAPID: fast dissolving tablet  
# including stirring rod

Disc	Reagents	Quantity	Code
14 63 50	SILICA No. 1	100	51 31 30
		250	51 31 31
	SILICA No. 2	100	51 31 40
		250	51 31 41
	Combi pack <sup>#</sup>	each 100	51 76 71
	SILICA No.1 / No.2	each 200	51 76 72
14 63 51	SILICA PR	100	51 31 50
		250	51 31 51
	Vario Silica HR Molybdate F10	Powder Pack / 100	53 57 00
	Vario Silica HR Acid Rgt F10	Powder Pack / 100	
Vario Silica HR Citric Acid F10	Powder Pack / 100		
	<b>Set</b>		
14 63 60	SILICA No. 1	100	51 31 30
		250	51 31 31
	SILICA No. 2	100	51 31 40
		250	51 31 41
	Combi pack <sup>#</sup>	each 100	51 76 71
	SILICA No.1 / No.2	each 200	51 76 72
14 64 90	SILICA PR	100	51 31 50
		250	51 31 51
	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
14 63 80	Combi pack <sup>#</sup>	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	SULFITE LR	100	51 80 20
14 64 50	ALKACHECK	100	51 32 00 BT
		250	51 32 01 BT
14 63 40	COPPER/ZINC LR	100	51 26 20 BT
		250	51 26 21 BT
	EDTA	100	51 23 90 BT
		250	51 23 91 BT
	DECHLOR	100	51 23 50 BT
		250	51 23 51 BT



CHECKIT®Discs

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