

# PRIMELAB 1.0

## MULTITEST

## PHOTOMETER



Sensor by  
**JENCOLOR**

Made in Germany

MORE THAN 130 METHODS

USER DEFINED PARAMETER SETUP

BLUETOOTH

POWERFUL SOFTWARE

POWERFUL APP

FREE CLOUD-SERVICE

EASY REPORTING

SELF CALIBRATION

ON SCREEN INSTRUCTIONS

MULTI LINGUAL

1-HOUR LEGIONELLA TEST

TURBIDITY (NTU) BY ADAPTER

PTSA BY ADAPTER

FLUORESCIN BY ADAPTER



SOFTWARE



APP



ADAPTER FOR  
TURBIDITY/PTSA  
FLUORESCIN

## FEATURES

PrimeLab 1.0 Multitest Photometer is the worldwide only photometer using the JENCOLOR multispectral sensor, covering 400 visible wavelengths simultaneously.

By that, PrimeLab needs only one model to offer more than 130 different parameter methods, including NTU turbidity and even a 1-hour quantitative and certified Legionella test. Many thousands of PrimeLabs are already used in different industries such as drinking water, waste water, boiler, cooling towers, laboratories, leisure (pool and spa), food industry, agriculture and many more.

PrimeLab uses reagent tablets Made in Germany, liquid and powder reagents Made in UK and patented Legionella reagents Made in Spain.

**Compose your individual PrimeLab:** The user can choose and pay for only those parameter-methods he needs whilst having the option to always activate more parameter at any later time by entering a code on software and/or App.

The PrimeLab photometer comes with a free of charge but powerful software and app, both cloud connected for permanent synchronization (if wished). Software and App allow easy reporting as well as dosage recommendations, based on individually entered water treatment chemicals. Additionally, software and app offer remote controlled testing plus auto remote-calibration of PrimeLab including printing of a calibration certificate.

Test results are always connected to user defined „accounts“ (water sources) and can be shared with other users (e.g. headquarter) via cloud.

### ONE FOR ALL PrimeLab 1.0 Multitest Photometer



## PARAMETERS

Active Oxygen (MPS) • Alkalinity M and P • Aluminium • Ammonia • Boron • Bromine • Carbohydrazide • Chloramines • Chloride • Chlorine • Chlorine Dioxide • Chlorite • Chromium • COD • Color (Hazen) • Copper • Cyanuric Acid • DBNPA • DEHA • Erythorbic Acid • Fluorescein • Fluoride • Hardness (Calcium, Magnesium, Total) • Hydrazine • Hydrogen Peroxide • Hydroquinone • Iodine • Iron • Iron in Oil • Isothiazolinone • Magnesium • Manganese • Methyleneketoxime • Molybdate • Nickel • Nitrate • Nitrite • Nitrogen (total) • Oxidants (total) • Ozone • pH-value • Phenol • PHMB • Phosphate (ortho) • Phosphonate • Phosphorus (total) • Polyacrylate • Potassium • PTSA • QAC • Silica • Sodium Hypochlorite • Sulphate • Sulphide • Sulphite • Suspended Solids • Tannic Acid • Turbidity (NTU) • Urea • Zinc • plus 6 Transmission parameters for own methods.

**More info about PrimeLab parameters, sub-parameters, test ranges and resolution under [www.primelab.org](http://www.primelab.org)**  
We keep developing more parameters which will be available for PrimeLabs already in use as well, as Software and App updates through the internet and always offers the latest list of parameters available for activation.

## KITS

Compose your own kit according to your demand and industry. It's that easy:

### Basic Kit:

- 1 x PrimeLab 1.0 Photometer
- 1 x Black plastic case with foam insert
- 4 x 24mm/10ml glass vials
- 1 x Light shield
- 1 x 10ml syringe
- 1 x Plastic stirring rod
- 1 x Cleaning brush
- 4 x AAA batteries
- 1 x DC adapter (110/220V) with international plugs
- 1 x Bluetooth-USB dongle
- 1 x CD-ROM with PrimeLab software
- 1 x full printed manual

### Parameters:

Choose as many parameter-methods out of the more than 130 available. Don't worry to miss one as you can always -at any later time- purchase a code to activate more parameters. PrimeLab software and App updates via the internet and always offers you the latest list of parameters available. Your PrimeLab will never be outdated! Visit [www.primelab.org](http://www.primelab.org) to see the most recent parameters list available!

### Reagents / Accessories:

Select reagents according to parameters chosen. Add accessories, such as more vials, stirring rods, professional pipettes, adapter for NTU-Turbidity measurement and much more.

Write to [sales@primelab.org](mailto:sales@primelab.org) and tell us the parameters you need. We gladly provide you with a quotation!



WWW.ABMOLI.COM  
09-7434264 | 072-2127007



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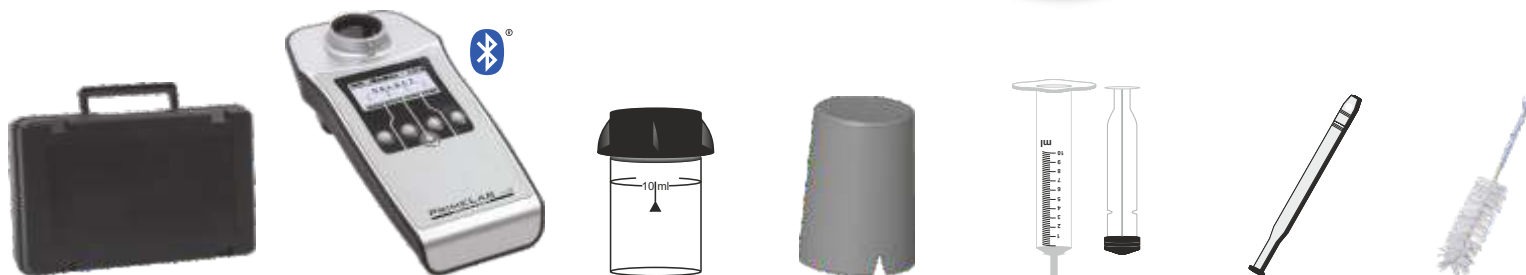
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## Basic equipment\*

(no methods installed / no reagents included)

Item code: **PL01B**

*PrimeLab is future-proof  
as user is able to add  
parameters on demand  
at any time after purchase  
by using "PrimeLab Desktop  
Assistant" software or App*



1 x Black plastic case

1 x  
PrimeLab 1.0  
Multitest  
Photometer

4 x 24 mm  
Standard  
glass vials

1 x Light shield  
(for standard vials  
and 16mm adapter)

1 x 10ml  
Dose syringe

1 x Stirring rod  
for vials

1 x Cleaning  
brush for vials



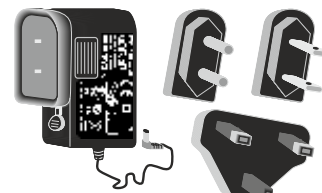
4 x AAA Batteries



1 x CD-ROM  
"PrimeLab Desktop Assistant"  
(for Windows)



1 x *Bluetooth*® USB dongle,  
to enable *Bluetooth*®  
on any computer



1 x DC Adapter  
with interchangeable  
international plugs



1 x printed manual

## PrimeLab 1.0 Multitest A modular Photometer

The PrimeLab 1.0 Multitest is the first modular photometer, available as:

**pre-loaded 0-in-1, 3-in-1, 5-in-1 and 10-in-1  
&  
configured with your preferred  
parameters**

In each case, the user only needs to buy and enter a code on the "PrimeLab Desktop Assistant" software, to enable additional parameters/methods. You never need to purchase devices with pre-built parameters/methods you do not need!

The PrimeLab 1.0 Multitest, has been designed to be future-proof as it can be constantly updated (firmware & software) through the "PrimeLab Desktop Assistant" software to which the PrimeLab is linked by wireless Bluetooth.

The use of the unique "JENCOLOR Multi Spectral Sensor" allows us to continuously develop further parameters/method that can be tested with just one single LED and the JENCOLOR sensor which covers the complete visual wavelength spectrum.

Parameters/methods developed after purchasing the device, can be easily installed on the PrimeLab by just a click.

\* Basic equipment (PL01B) does not contain any parameters/methods or reagents. Those can be individually added to the basic version (PL01B), to any of the ...-in-1-kits or after sale by purchasing a code and enabling specific parameters through the software "PrimeLab DesktopAssistant".

\* Additional parameter/methods can be added. Choose parameters/methods according to your requirement from page 6 to 13 or purchase after sale by buying a code.

## Pre-installed **0- / 3- / 5- / 10- / All-in-1** kits

Item code	Pre-installed parameter/methods Group	ID	Meas.range	Unit(s)	Resolution	Reagents	Type	Kit contains
PL01B *	<b>0-in-1 kit for self-configuration</b> No parameter/methods installed					no reagents		<u>Basic equipment as on page 3:</u> 1 x plastic case 1 x PrimeLab Multitest 1.0 4 x 24mm / 10ml glass vials 1 x light shield 1 x stirring rod 1 x 10ml syringe 1 x cleaning brush 1 x <i>Bluetooth</i> ® USB dongle 1 x CD with PrimeLab software(Windows) 4 x AAA batteries 1 x 110V/230V interchangeable power supply
PL01B3P	<b>3-in-1 kit</b> Chlorine (free/combined/total) pH-value Cyanuric acid	11 38 20	0.00 - 8.00 6.50 - 8.40 2 - 160	ppm pH ppm	0.01 0.01 1	50 x DPD N° 1 50 x DPD N° 3 50 x Phenol Red 50 x CYA-Test	Tablets Tablets Tablets Tablets	Basic equipment as on page 3
PL01B5P	<b>5-in-1 kit</b> Chlorine (free/combined/total) pH-value Cyanuric acid Calcium hardness Alkalinity-M	11 38 20 09 05	0.00 - 8.00 6.50 - 8.40 2 - 160 50 - 1000 5 - 200	ppm pH ppm ppm-°dH-°eH-°fH mmol-mval-KS4.3	0.01 0.01 1 1 1	50 x DPD N° 1 50 x DPD N° 3 50 x Phenol Red 50 x CYA-Test 50 x Calc. Hardness 50 x Alkalinity-M	Tablets Tablets Tablets Tablets Tablets Tablets	Basic equipment as on page 3, but: 6 x 24mm / 10ml glass vials 2 x stirring rods
PL01B10P	<b>10-in-1 kit</b> Chlorine (free/combined/total) pH-value Cyanuric Acid Calcium hardness Total hardness Chloride (salt) Iron LR Copper (free/combined/total) Phosphate, ortho (LR) Alkalinity-M	11 38 20 09 56/57 10 28 18 44 05	0.00 - 8.00 6.50 - 8.40 2 - 160 50 - 1000 2 - 500 0.5 - 25 0.00 - 1 0.00 - 5 0.00 - 4 5 - 200	ppm pH ppm ppm-°dH-°eH-°fH ppm-°dH-°eH-°fH-Ca-Mg ppm-NaCl ppm ppm ppm ppm-°dH-°eH-°fH mmol-mval-KS4.3	0.01 0.01 1 1 1 0.1 0.01 0.01 0.01 1	50 x DPD N° 1 50 x DPD N° 3 50 x Phenol Red 50 x CYA-Test 50 x Calc. Hardness 50 x Alkalinity-M 50 x Total Hardness 50 x Chloride N° 1 50 x Chloride N° 2 50 x Copper N° 1 50 x Copper N° 2 50 x Phosphate LR 1 50 x Phosphate LR 2	Tablets Tablets Tablets Tablets Tablets Tablets Tablets Tablets Tablets Tablets Tablets Tablets Tablets	Basic equipment as on page 3, but: 10 x 24mm / 10ml glass vials 2 x stirring rods
PL01ALL	<b>All-in-1 kit</b> All current parameters/methods and future codes					no reagents included		same as PL01B10P <b>plus</b> 16mm adapter <b>plus</b> filter set (syringe/holder/papers) <b>plus</b> 100ml measuring container

## Single parameters/methods as individual add-ons



### **It's your choice!**

No matter if you/your customer choose to go with the basic version or a 3-in-1, 5-in-1 or 10-in-1 kit, you can always easily add on additional parameters/methods with your order or after sale by purchasing a code and entering it on the "PrimeLab Desktop Assistant" software.

To build your own and individual version of the PrimeLab, simply choose the basic version without parameters/methods and add parameters as shown on the following pages.

There is no minimum requirement and you can choose the parameters to suit your needs - it really is a 'build your own' photometer with endless choices.

### **Code (parameter/method) only**

The price for a code to enable a parameter/method on the PrimeLab (without reagents) is always the same.

Add-on-  
codes

## Single parameters/methods as individual add-ons

\* Special equipment required!  
Needs to be purchased separately.  
Please see „Accessories“ section for code and price.

APPLICATION OF WATER-I.D. METHODS			
● WATER	⊕ BOILER WATER RELATED	● WASTE WATER	Ⓟ POOL WATER RELATED
● SEA WATER			Ⓜ MARINE INDUSTRY

Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Active Oxygen</b>								
PLPar1	Active Oxygen (MPS)	01	0 - 40	0.1	mg/l (O <sub>2</sub> )		Tablets DPD No. 4 ● ⊕	
<b>Alkalinity</b>								
PLPar5	Alkalinity-M	05	5 - 200	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol(KS <sub>4.3</sub> )/mval/HCO <sub>3</sub>	Tablets Alkalinity-M ● ⊕	
PLPar121	Alkalinity-M (HR)	121	0 - 500	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol(KS <sub>4.3</sub> )/mval/HCO <sub>3</sub>	Tablets Alkalinity-M-HR ● ⊕	
PLPar6	Alkalinity-P	06	5 - 300	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol(KS <sub>4.3</sub> )/mval	Tablets Alkalinity-P ●	
<b>Aluminium</b>								
PLPar4	Aluminium	04	0 - 0.3	0.01	mg/l (Al)		Tablets Aluminium No. 1 ● Tablets Aluminium No. 2 ●	
<b>Ammonia</b>								
PLPar2	Ammonia (LR)	02	0 - 1	0.01	mg/l (N)	NH <sub>4</sub> /NH <sub>3</sub>	Tablets Ammonia No. 1 ● ● Tablets Ammonia No. 2 ● ● Powder Sea Water Conditioning Powder ●	
PLPar155	Ammonia (HR)	155	1 - 50	0.1	mg/l (N)	NH <sub>4</sub> /NH <sub>3</sub>	pre. vial Ammonia HR vial Powder Ammonia Salicylate F5 PP ● ● ● Powder Ammonia Cynurate F5 PP ● ● ● Liquid DI-Water	
<b>Boron</b>								
PLPar7	Boron	07	0 - 2	0.1	mg/l (B)	H <sub>3</sub> BO <sub>3</sub>	Tablets Boron No. 1 ● Tablets Boron No. 2 ●	
<b>Bromine</b>								
PLPar8	Bromine	08	0 - 13	0.01	mg/l (tBr)		Tablets DPD 1 ● ● ● Tablets Glycine ● ● ●	
PLPar63	Bromine	63	0 - 13	0.01	mg/l (aBr/cBr/tBr)		Liquid PL DPD 1 A ● ● ● Liquid PL DPD 1 B ● ● ● Powder PL DPD Nitrite ● ● ●	
PLPar128	Bromine	128	0 - 4.5	0.01	mg/l (Br <sub>2</sub> )		Powder DPD Total Chlorine PP (Hach)	
<b>Carbohydrazide</b>								
PLPar71	Carbohydrazide	71	0 - 1.3	0.01	mg/l (CHD)		Liquid PL Oxygen Scavenger 1 ⊕ Liquid PL Oxygen Scavenger 2 ⊕	
<b>Chloramines (Mono-/Di-)</b>								
PLPar95	Chloramines	95	0 - 8	0.01	mg/l (fCl/NH <sub>2</sub> Cl/NHCl <sub>2</sub> )		Tablets DPD 1 Photometer ● ● ● Tablets DPD 2 Photometer ● ● ● Tablets DPD 3 Photometer ● ● ●	
<b>Chloride</b>								
PLPar10	Chloride	10	0.5 - 25	0.1	mg/l (Cl <sup>-</sup> )	NaCl	Tablets Chloride N° 1 ● ● ● Tablets Chloride N° 2 ● ● ●	
PLPar124	Chloride	124	0 - 100	0.1	mg/l (Cl <sup>-</sup> )	NaCl	Liquid PL Chloride 1 ● ● ● Liquid PL Chloride 2 ● ● ●	
<b>Chlorine</b>								
PLPar11	Chlorine	11	0 - 8	0.01	mg/l (fCL <sub>2</sub> /cCL <sub>2</sub> /tCL <sub>2</sub> )		Tablets DPD N° 1 ● ● ● Tablets DPD N° 3 ● ● ●	

## Single parameters/methods as individual add-ons

\* Special equipment required!  
Needs to be purchased separately.  
Please see „Accessories“ section for code and price.

APPLICATION OF WATER-I.D. METHODS			
● WATER	Ⓟ BOILER WATER RELATED	● WASTE WATER	Ⓟ POOL WATER RELATED
● SEA WATER	Ⓜ MARINE INDUSTRY		

Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Chlorine</b>								
PLPar12	Chlorine	12	0 - 8	0.01	mg/l (fCL <sub>2</sub> /cCL <sub>2</sub> /tCL <sub>2</sub> )		Liquid PL DPD 1 A Liquid PL DPD 1 B Liquid PL DPD 3 C	● ● ●
PLPar129	Chlorine (free)	129	0 - 2	0.01	mg/l (fCL <sub>2</sub> )		Powder DPD Free Chlorine PP (Hach)	● ● ●
PLPar122	Chlorine (MR)	122	0 - 10	0.01	mg/l (fCL <sub>2</sub> /cCL <sub>2</sub> /tCL <sub>2</sub> )		Tablets DPD 1 MR Tablets DPD 3 MR	● ● ●
PLPar14	Chlorine (KI) (HR)	14	5 - 200	1	mg/l (Cl <sub>2</sub> )		Tablets Chlorine HR (Ki) Tablets Acidifying GP	● ● ●
PLPar15	Chlorine (KI) (HR)	15	0 - 200	1	mg/l (Cl <sub>2</sub> )		Liquid PL Chlorine HR 1 Liquid PL Chlorine HR 2	● ● ●
<b>Chlorine Dioxide</b>								
PLPar16	Chlorine Dioxide	16	0 - 15	0.01	mg/l (ClO <sub>2</sub> )		Tablets DPD N° 1 Tablets Glycine	● ● ●
PLPar64	Chlorine Dioxide	64	0 - 15	0.01	mg/l (ClO <sub>2</sub> )		Liquid PL DPD 1 A Liquid PL DPD 1 B Liquid PL DPD Glycine	● ● ●
PLPar130	Chlorine Dioxide	130	0 - 5	0.01	mg/l (ClO <sub>2</sub> )		Powder DPD Free Chlorine PP (Hach) Liquid DPD Glycine	● ● ●
PLPar108	Total Oxidant	108	0 - 8	0.01	mg/l (Cl <sub>2</sub> )	ClO <sub>2</sub>	Liquid PL DPD 1 A Liquid PL DPD 1 B Liquid PL DPD 3 C Liquid PL DPD Acidifying Liquid PL DPD Neutralising	● ● ●
<b>Chlorite</b>								
PLPar106	Chlorite	106	0 - 8	0.01	mg/l (Cl <sub>2</sub> )		Liquid PL DPD 1 A Liquid PL DPD 1 B Liquid PL DPD 3 C Liquid PL DPD Acidifying Liquid PL DPD Neutralising Liquid PL DPD Glycine	● ● ●
<b>Chromium (hexavalent)</b>								
PLPar94	Chromium	94	0 - 2.2	0.01	mg/l (Cr)	CrO <sub>4</sub>	Tablets Chromium N° 1 Tablets Chromium N° 2	● ●
PLPar103	Chromium	103	0 - 1	0.01	mg/l (Cr)	CrO <sub>4</sub>	Powder PL Chromate 1 Liquid PL Chromate 2	● ●
<b>COD</b>								
PLPar79	COD (LR)	79	0 - 150	1	mg/l (O <sub>2</sub> )		25 Prepared vials	● ●
PLPar80	COD (MR)	80	0 - 1500	1	mg/l (O <sub>2</sub> )		25 Prepared vials	● ●
PLPar17	COD (HR)	17	0 - 15000	1	mg/l (O <sub>2</sub> )		25 Prepared vials	● ●
<b>Colour</b>								
PLPar107	Colour	107	15 - 500	1	mg/l (Pt-Co)		-	● ● ●
								Filter utilities (0.45µ)

## Single parameters/methods as individual add-ons

\* Special equipment required!  
Needs to be purchased separately.  
Please see „Accessories“ section for code and price.

APPLICATION OF WATER-I.D. METHODS			
● WATER	Ⓟ BOILER WATER RELATED	● WASTE WATER	Ⓟ POOL WATER RELATED
● SEA WATER	Ⓜ MARINE INDUSTRY		

Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Copper</b>								
PLPar18	Copper	18	0 - 5	0.01	mg/l (fCu/cCu/tCu)		Tablets Copper No. 1 Tablets Copper No. 2	● ● ●
PLPar19	Copper	19	0 - 5	0.01	mg/l (fCu)		Powder PL Copper 1	● ● ●
<b>Cyanuric Acid</b>								
PLPar20	Cyanuric Acid	20	2 - 160	1	mg/l (CYA)		Tablets CYA-Test	● ●
<b>DBNPA</b>								
PLPar65	DBNPA	65	0 - 13	0.01	mg/l (DBNPA)		Liquid PL DPD 1 A Liquid PL DPD 1 B Liquid PL DPD 3 C	● ● ●
PLPar82	DBNPA	82	0 - 13	0.01	mg/l (DBNPA)		Tablets DPD 1 Photometer Tablets DPD 3 Photometer	● ● ●
<b>DEHA</b>								
PLPar21	DEHA	21	20 - 1000	10	µg/l (DEHA)	mg/l	Liquid PL Oxygen Scavenger 1 Liquid PL Oxygen Scavenger 2	Ⓟ
<b>Erythorbic Acid</b>								
PLPar70	Erythorbic Acid	70	0 - 3.5	0.01	mg/l (EA)		Liquid PL Oxygen Scavenger 1 Liquid PL Oxygen Scavenger 2	Ⓟ
<b>Fluorescein</b>								
PLPar113	Fluorescein	113	0 - 500	1	µg/l (C <sub>20</sub> H <sub>10</sub> Na <sub>2</sub> O <sub>5</sub> ) C <sub>20</sub> H <sub>12</sub> O <sub>5</sub>		-	Adapter (PLSp-ADP-Fisc)
<b>Fluoride</b>								
PLPar72	Fluoride	72	0 - 2	0.01	mg/l (F)		Liquid PL Fluoride 1 Liquid PL Fluoride 2	● ● ●
<b>Hardness</b>								
PLPar78	Hardness - Calcium	78	0 - 500	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol/l/mval/l	Tablets Calcium-H. N° 1 Tablets Calcium-H. N° 2	●
PLPar9	Hardn.- Calcium (HR)	09	50 - 1000	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol/l/mval/l	Tablets Calcium Hardness Photometer	●
PLPar56	Hardness - Total (LR)	56	2 - 50	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol/l/mval//Ca	Tablets Total Hardness	●
PLPar57	Hardness - Total (HR)	57	20 - 500	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol/l/mval//Ca	Tablets Total Hardness	●
PLPar148	Hardness - Total (HR)	148	0 - 200	1	mg/l (CaCO <sub>3</sub> )	°dH/°eH/°fH/mmol/l/mval//Ca	Liquid PL Total Hardness 1 Liquid PL Total Hardness 2	●
<b>Hydrazine</b>								
PLPar23	Hydrazine	23	5 - 600	1	µg/l (N <sub>2</sub> H <sub>4</sub> )	mg/l	Liquid PL Hydrazine 1	Ⓟ
<b>Hydrocarbons</b>								
PLPar160	Hydrocarbons	160	yes/no	1	-	-	-	Adapter (PLSp-ADP-TRB)
<b>Hydrogen Peroxide</b>								
PLPar66	Hydrogen Perox. LR	66	0 - 3.8	0.01	mg/l (H <sub>2</sub> O <sub>2</sub> )		Liquid PL Hydrogen Peroxide LR 1 Liquid PL Hydrogen Peroxide LR 2	Ⓟ
PLPar24	Hydrogen Perox. LR	24	0 - 3.8	0.01	mg/l (H <sub>2</sub> O <sub>2</sub> )		Tablets Hyd. Peroxide LR	Ⓟ
PLPar25	Hydrogen Perox. HR	25	0 - 200	1	mg/l (H <sub>2</sub> O <sub>2</sub> )		Liquid PL Hydrogen Peroxide HR 1 Liquid PL Hydrogen Peroxide HR 2	Ⓟ
PLPar109	DEWAN-50	109	0 - 300	1	mg/l (DW50)	H <sub>2</sub> O <sub>2</sub>	Liquid Available via www.dinax.hu	Ⓟ



## Single parameters/methods as individual add-ons

\* Special equipment required!  
Needs to be purchased separately.  
Please see „Accessories“ section for code and price.

APPLICATION OF WATER-I.D. METHODS	
● WATER	Ⓟ BOILER WATER RELATED
● WASTE WATER	Ⓟ POOL WATER RELATED
● SEA WATER	Ⓜ MARINE INDUSTRY

Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Hydroquinone</b>								
PLPar26	Hydroquinone	26	0 - 2.5	0.01	mg/l (HQN)		Liquid Liquid PL Oxygen Scavenger 1 PL Oxygen Scavenger 2	Ⓟ
<b>Iodine</b>								
PLPar27	Iodine	27	0 - 28	0.01	mg/l (I)		Tablets DPD 1	● ● ●
PLPar67	Iodine	67	0 - 28	0.01	mg/l (I)		Liquid Liquid PL DPD 1 A PL DPD 1 B	● ● ●
<b>Iron</b>								
PLPar28	Iron (LR)	28	0 - 1	0.01	mg/l (Fe)		Tablets Iron (LR)	● ● ●
PLPar29	Iron (MR)	29	0 - 10	0.01	mg/l (Fe MR)		Powder PL Iron MR 1	● ● ●
PLPar127	Iron (MR) Fe <sub>2+</sub>	127	0 - 10	0.01	mg/l (Fe <sub>2+</sub> )		Powder PL Iron MR 2	● ● ●
PLPar30	Iron (HR)	30	0 - 30	0.01	mg/l (Fe <sub>2+/3+</sub> )		Liquid Liquid PL Iron HR 1 PL Iron HR 2	● ● ●
PLPar132	Iron total (LR)	132	0 - 3	0.01	Mg/l (Fe)		Powder FerroVer Iron PP (Hach)	● ● ●
PLPar149	Iron in Oil (Engine)	149	50 - 500	1	mg/l (Fe <sub>2+</sub> )		Tribomar reagents set for 60 tests	Ⓜ
<b>Isothiazolinone</b>								
PLPar88	Isothiazolinone	88	0	0 - 10	mg/l (C3H3NO3)		Liquid Liquid Liquid Liquid Liquid PL Isothiazolinone 1 PL Isothiazolinone 2 PL Isothiazolinone 3 PL Isothiazolinone 4 PL Isothiazolinone 5	Ⓟ
<b>Legionella</b>								
PLPar147	Legionella	147	60 - 1 000 000	1	cfu/test (Leg)		Legipid-Kit (LGP-10/LGP-40/LGP-100)	● Magnetic holder with 2 cuvettes (LG-MP2) Plastic adaper for 1 ml vials (PLSp-LegiAD-1) Filter-Kit (LP-Fil-man or LP-Fil-Prof)
<b>Magnesium</b>								
PLPar93	Magnesium	93	0 - 100	1	mg/l (Mg)	CaCO <sub>3</sub>	Tablets Magnesium Photometer	● ● ●
<b>Manganese</b>								
PLPar31	Manganese	31	0.2 - 5	0.1	mg/l (Mn)	MnO <sub>4</sub> /KMnO <sub>4</sub>	Tablets Tablets Manganese LR No. 1 Manganese LR No. 2	● ●
PLPar161		161	0 - 0.030	0.001	mg/l (Mn)	MnO <sub>4</sub> /KMnO <sub>4</sub>	Tablets Tablets Manganese VLR No. 1 Manganese VLR No. 2	● ● ●
<b>Methylethylketoxime</b>								
PLPar69	Methylethylketoxime	69	0 - 4.1	0.01	mg/l (MTX)		Liquid Liquid PL Oxygen Scaveng. 1 PL Oxygen Scaveng. 2	Ⓟ
<b>Molybdate</b>								
PLPar96	Molybdate (LR)	96	0 - 15	0.01	mg/l (MoO <sub>4</sub> )	Mo/Na <sub>2</sub> MoO <sub>4</sub>	Tablets Tablets Molybdate LR N° 1 Molybdate LR N° 2	● ●
PLPar33	Molybdate (HR)	33	5 - 200	0.1	mg/l (MoO <sub>4</sub> )	Mo/Na <sub>2</sub> MoO <sub>4</sub>	Liquid PL Molybdate 1	● ●
PLPar32	Molybdate	32	1 - 100	0.1	mg/l (MoO <sub>4</sub> )	Mo/Na <sub>2</sub> MoO <sub>4</sub>	Tablets Tablets Molybdate HR No. 1 Molybdate HR No. 2	● ●
PLPar134	Molybdate (HR)	134	0 - 40	0.1	mg/l (MoO <sub>4</sub> )	Mo/Na <sub>2</sub> MoO <sub>4</sub>	Powder Powder Powder MolyVer 1 PP (Hach) MolyVer 2 PP (Hach) MolyVer 3 PP (Hach)	● ●

## Single parameters/methods as individual add-ons

\* Special equipment required!  
Needs to be purchased separately.  
Please see „Accessories“ section for code and price.

APPLICATION OF WATER-I.D. METHODS			
● WATER	⊕ BOILER WATER RELATED	Ⓟ POOL WATER RELATED	Ⓜ MARINE INDUSTRY
● WASTE WATER			
● SEA WATER			

Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Nickel</b>								
PLPar90	Nickel (HR)	90	0 - 7	0.1	mg/l (Ni)		Tablets Nickel HR N° 1 Tables Nickel HR N° 2	● ●
PLPar100	Nickel (HR)	100	0 - 10	0.1	mg/l (Ni)		Liquid PL Nickel HR 1 Liquid PL Nickel HR 2 Liquid PL Nickel HR 3	● ●
<b>Nitrate</b>								
PLPar34	Nitrate	34	0.00 - 11.00	0.1	mg/l (N)	NO <sub>3</sub>	Powder PL Nitrate 1 Liquid PL Nitrate 2	● ●
<b>Nitrite</b>								
PLPar35	Nitrite (LR)	35	0 - 0.5	0.01	mg/l (N)	NaNO <sub>2</sub> /NO <sub>2</sub>	Tablets Nitrite LR	● ● ●
PLPar36	Nitrite (HR)	36	5 - 200	0.1	mg/l (NaNO <sub>2</sub> )	N/NO <sub>2</sub>	Powder PL Nitrite HR 1	⊕
PLPar97	Nitrite (HR)	97	0 - 1500	1	mg/l (NaNO <sub>2</sub> )	N/NO <sub>2</sub>	Tablets Nitrite HR No 1 Tablets Nitrite HR No 2	⊕
PLPar101	Nitrit (HR)	101	0 - 3000	1	mg/l (NaNO <sub>2</sub> )	N/NO <sub>2</sub>	Liquid PL Nitrite HR 2	⊕
<b>Nitrogen</b>								
PLPar151	Nitrogen-Total (LR)	151	0.5 - 25	0.1	mg/l (N)	NH <sub>4</sub> , NH <sub>3</sub>	pre. vial Powder Powder Powder pre. vial Liquid Hydrox. LR vial Persulfate powder packs Reagent A powder packs Reagent B powder packs Acid LR/HR vial DI-Water	● ●
PLPar152	Nitrogen-Total (HR)	152	5 - 150	1	mg/l (N)	NH <sub>4</sub> , NH <sub>3</sub>	pre. vial Powder Powder Powder pre. vial Liquid Hydrox. HR vial Persulfate powder packs Reagent A powder packs Reagent B powder packs Acid LR/HR vial DI-Water	● ●
<b>Ozone</b>								
PLPar37	Ozone	37	0 - 5.4	0.01	mg/l (O <sub>3</sub> /tCl/O <sub>3</sub> +tCl)		Tablets DPD N° 1 Tablets DPD N° 3 Tablets Glycine	Ⓟ
PLPar92	Ozone	92	0 - 5.4	0.1	mg/l (O <sub>3</sub> /tCl/O <sub>3</sub> +tCl)		Liquid PL DPD 1 A Liquid PL DPD 1 B Liquid PL DPD 3 C Liquid PL DPD Glycine	Ⓟ
<b>Permanganate</b>								
PLPar159	Permanganate	159	0 - 100	1	%T		Tablets PTT	
<b>pH</b>								
PLPar40	pH-value (LR)	40	5.2 - 6.8	0.01	pH		Tablets Bromocresolpurple	●
PLPar38	pH-value (MR)	38	6.5 - 8.4	0.01	pH		Tablets Phenol Red	●
PLPar39	pH-value (MR)	39	6.4 - 8.4	0.01	pH		Liquid PL pH 6.4-8.4	●
PLPar41	pH-Universal	41	5 - 11	0.1	pH (Univ)		Tablets Universal pH	●
PLPar42	pH-Universal	42	4 - 11	0.1	pH (Univ)		Liquid PL pH 4-11	●

## Single parameters/methods as individual add-ons

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APPLICATION OF WATER-I.D. METHODS	
● WATER	Ⓟ BOILER WATER RELATED
● WASTE WATER	Ⓟ POOL WATER RELATED
● SEA WATER	Ⓞ MARINE INDUSTRY

Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Phenol</b>								
PLPar98	Phenol	98	0 - 5	0.01	mg/l (C <sub>6</sub> H <sub>5</sub> OH)		Tablets Phenol N° 1 Tablets Phenol N° 2 Tablets Phenol CR	● ● ●
<b>PHMB</b>								
PLPar43	PHMB	43	2 - 60	1	mg/l (PHMB)		Tablets PHMB	Ⓟ
<b>Phosphate</b>								
PLPar44	Phosphate (LR)	44	0 - 4	0.01	mg/l (PO <sub>4</sub> )	P/P <sub>2</sub> O <sub>5</sub>	Tablets Phosphate (LR) No. 1 Tablets Phosphate (LR) No. 2	● ● ●
PLPar45	Phosphate (LR)	45	0 - 4	0.01	mg/l (PO <sub>4</sub> )	P/P <sub>2</sub> O <sub>5</sub>	Liquid PL Phosphate LR 1 Powder PL Phosphate LR 2	● ● ●
PLPar46	Phosphate (HR)	46	0 - 80	0,1	mg/l (PO <sub>4</sub> )	P/P <sub>2</sub> O <sub>5</sub>	Tablets Phosphate (HR) No. 1 Tablets Phosphate (HR) No. 2	● ● ●
<b>Phosphate</b>								
PLPar47	Phosphate (HR)	47	0 - 100	0.1	mg/l (PO <sub>4</sub> )	P/P <sub>2</sub> O <sub>5</sub>	Liquid PL Phosphate HR 1 Liquid PL Phosphate HR 2	● ● ●
<b>Phosphonate</b>								
PLPar87	Phosphonate	87	0 - 20	0.01	mg/l (tPO <sub>4</sub> /PO <sub>4</sub> /Po <sub>4</sub> Org)	PBTC/NTP/HEDPA/ EDTMPA/HMDTMPA/ DETPMPA/HPA	Powder PL Phosphonate 1 Powder PL Phosphonate 2 Liquid PL Phosphonate 3 Powder PL Phosphonate 4	Ⓟ
PLPar110	Phosphonate	110	0 - 20	0.01	mg/l (tPO <sub>4</sub> /PO <sub>4</sub> /Po <sub>4</sub> Org)	PBTC/NTP/HEDPA/ EDTMPA/HMDTMPA/ DETPMPA/HPA	Tablets OrgaPhos-OX Tablets OrgaPhos No. 1 Tablets OrgaPhos No. 2 Tablets OrgaPhos No. 3	Ⓟ
<b>Phosphorus</b>								
PLPar153	Phosphorus-Total (LR)	153	0 - 2.6	0.01	mg/l (P)	PO <sub>4</sub>	pre. vial Phosphorus LR vial Powder PL Phosphorus 2 Liquid PL Phosphorus LR 1 Tablet Phosphate LR 1 Tablet Phosphate LR 2	● ● ●
PLPar154	Phosphorus-Total (LR)	154	0 - 52	0.1	mg/l (P)	PO <sub>4</sub>	pre. vial Phosphorus HR vial Powder PL Phosphorus 2 Liquid PL Phosphorus HR 1 Tablet Phosphate HR 1 Tablet Phosphate HR 2	● ● ●
<b>Polyacrylate</b>								
PLPar85	Polyacrylate	85	1 - 30	0.1	mg/l (Polyac.Ac.)	P/P <sub>2</sub> O <sub>5</sub>	Liquid PL Polyacrylate 1 Liquid PL Polyacrylate 2	● ●
<b>Polyamine</b>								
PLPar125	Acsamine 28F	125	0 - 100	1	mg/l (AC 28)		Liquid PL Acsamine 1 Liquid PL Acsamine 2	Ⓟ

## Single parameters/methods as individual add-ons

\* Special equipment required!  
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Please see „Accessories“ section for code and price.

### APPLICATION OF WATER-I.D. METHODS

● WATER	Ⓟ BOILER WATER RELATED
● WASTE WATER	Ⓟ POOL WATER RELATED
● SEA WATER	Ⓜ MARINE INDUSTRY













Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Polyamine</b>								
PLPar145	Acsamine CC	145	0 - 100	1	mg/l (AC CC)		Liquid Liquid PL Acsamine 1 PL Acsamine 2	Ⓟ
PLPar146	Acsamine CCA	146	0 - 100	1	mg/l (AC CCA)		Liquid Liquid PL Acsamine 1 PL Acsamine 2	Ⓟ
PLPar126	Acsamine DW	126	0 - 100	1	mg/l (AC DW)		Liquid Liquid PL Acsamine 1 PL Acsamine 2	Ⓟ
PLPar141	Acsamine DWBR1	141	0 - 100	1	mg/l (AC DWBR1)		Liquid Liquid PL Acsamine 1 PL Acsamine 2	Ⓟ
PLPar142	Acsamine DWC	142	0 - 100	1	mg/l (AC DWC)		Liquid Liquid PL Acsamine 1 PL Acsamine 2	Ⓟ
PLPar143	Acsamine SW	143	0 - 100	1	mg/l (AC SW)		Liquid Liquid PL Acsamine 1 PL Acsamine 2	Ⓟ
PLPar144	Acsamine SWC	144	0 - 100	1	mg/l (AC SWC)		Liquid Liquid PL Acsamine 1 PL Acsamine 2	Ⓟ
<b>Potassium</b>								
PLPar48	Potassium	48	0.7 - 12	0.1	mg/l (K)		Tablets Potassium	● ● ●
<b>PTSA</b>								
PLPar111	PTSA	111	0 - 1000	1	µg/l (PTSA)		-	● ● ●
PLPar157	TRACER	157	0 - 1000	1	µg/l (TRACER)		-	● ● ●
PLPar156	Watch Products	156	0 - 1000	1	µg/l (Watch)		-	● ● ●
<b>QAC</b>								
PLPar83	QAC	83	25 - 150	1	mg/l (QAC)		Tablets Tablets QAC HR Acidifying GP	● Ⓟ
<b>Silica</b>								
PLPar49	Silica (LR)	49	0 - 5	0.01	mg/l (SiO <sub>2</sub> )	Si	Liquid Liquid Powder PL Silica LR 1 PL Silica LR 2 PL Silica LR 3	●
PLPar50	Silica (HR)	50	0 - 100	1	mg/l (SiO <sub>2</sub> )	Si	Powder Powder Powder PL Silica HR 1 PL Silica HR 2 PL Silica HR 3	●
<b>Sodium Hypochlorite</b>								
PLPar51	Sodium Hypochlorite	51	0.2 - 40	0.1	% (NaOCl)		Tablets Tablets Chlorine HR (Ki) Acidifying GP	● ● ●
PLPar68	Sodium Hypochlorite	68	0.2 - 40	0.1	% (NaOCl)		Liquid Liquid PL Chlorine HR 1 PL Chlorine HR 2	● ● ●
<b>Sulphate</b>								
PLPar54	Sulphate	54	5 - 100	1	mg/l (SO <sub>4</sub> )		Tablets Sulphate	● ● ●
PLPar55	Sulphate	55	5 - 100	1	mg/l (SO <sub>4</sub> )		Powder PL Sulphate 1	● ● ●
<b>Sulphide</b>								
PLPar52	Sulphide	52	0.04 - 0.5	0.01	mg/l (S)	H <sub>2</sub> S	Tablets Tablets Sulphide No. 1 Sulphide No. 2	● ● ●

## Single parameters/methods as individual add-ons

\* Special equipment required!  
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Please see „Accessories“ section for code and price.

### APPLICATION OF WATER-I.D. METHODS

 WATER	 BOILER WATER RELATED
 WASTE WATER	 POOL WATER RELATED
 SEA WATER	 MARINE INDUSTRY

Item code	Parameter	ID	Measurement range	Resolution	Unit	Calculation	Method / reagents	Special equipment*
<b>Sulphide</b>								
PLPar140	Sulphide	140	0 - 0.7	0.01	mg/l (S)	H <sub>2</sub> S	Liquid Liquid Sulfide 1 (Hach) Sulfide 2 (Hach)	100ml cuvette (SVZdev100)
<b>Sulphite</b>								
PLPar53	Sulphite (LR)	53	0 - 10	0.1	mg/l (SO <sub>3</sub> )	Na <sub>2</sub> SO <sub>3</sub>	Tablets Sulphite LR	  
PLPar105	Sulphite (HR)	105	0 - 300	0.1	mg/l (Na <sub>2</sub> SO <sub>3</sub> )	SO <sub>3</sub>	Tablets Tablets Sulphite N° 1 Sulphite N° 2	  
<b>Suspended solids</b>								
PLPar81	Suspended solids	81	0 - 750	1	mg/l (TSS)		-	
<b>Tannic acid</b>								
PLPar91	Tannic acid	91	0 - 150	0.1	mg/l (Tan. Ac.)		Liquid Liquid PL Tannin 1 PL Tannin 2	
<b>Transmission</b>								
PLPar114	Transmission-420 nm	114	0 - 100	0.1	% (Trmsm)		-	
PLPar115	Transmission-470 nm	115	0 - 100	0.1	% (Trmsm)		-	
PLPar116	Transmission-520 nm	116	0 - 100	0.1	% (Trmsm)		-	
PLPar117	Transmission-570 nm	117	0 - 100	0.1	% (Trmsm)		-	
PLPar118	Transmission-620 nm	118	0 - 100	0.1	% (Trmsm)		-	
PLPar119	Transmission-670 nm	119	0 - 100	0.1	% (Trmsm)		-	
<b>Turbidity</b>								
PLPar59	Turbidity	59	20 - 1000	1	FAU	FTU	-	
PLPar112	Turbidity-NTU	112	0 - 1000	0.01	NTU	FTU/FNU	-	Adapter (PLSp-ADP-TRB)
<b>Urea</b>								
PLPar120	Urea	120	0.1 - 2.5	0.1	mg/l (NH <sub>2</sub> ) <sub>2</sub> CO		Tablets Tablets Liquid Liquid Ammonia 1 Ammonia 2 PL Urea 1 PL Urea 2 (Lovibond)	 
PLPar150	Urea (HR)	150	0.2 - 5	0.1	mg/l (NH <sub>2</sub> ) <sub>2</sub> CO		Tablets Tablets Liquid Liquid Ammonia 1 Ammonia 2 PL Urea 1 PL Urea 2 (Lovibond)	 
<b>Zinc</b>								
PLPar62	Zinc	62	0 - 1	0.01	mg/l (Zn)		Tablets Tablets Copper/Zinc LR EDTA	 

## Reagents



Made in Germany (tablets)



Made in Britain (Liquid / powders)

### Quality reagents

Water-analysis requires precision, accuracy, repeatability and professionalism.

The "PrimeLab 1.0 Multitest" has the answers as it is a high-tech Photometer of the very latest technology and the only one using a JENCOLOR sensor.

A device "Made in Germany".

As a quality device needs to go hand-in-hand with quality reagents, we only offer highest quality reagents, "Made in Germany" and "Made in Britain".

We have been producing the highest quality reagent tablets for more than a decade and were the first reagent tablet manufacturer world-wide, to use the innovational award-winning "push-through" blister system, and has since been copied throughout the industry.

Quality reagents do not have to be expensive at all!

See for yourself on the following pages!

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder			
					50	100	250	500	30ml	65ml	10g	20g	40g	50g
<b>Active Oxygen</b>														
TbsPD4	Active Oxygen (MPS)	01	0 - 40 mg/l	Tablets DPD No. 4										
<b>Alkalinity</b>														
TbsPTA	Alkalinity-M	05	5 - 200 mg/l	Tablets Alkalinity-M										
TbsPTAHR	Alkalinity M (HR)	121	0 - 500 mg/l	Tablets Alkalinity-M-HR										
TbsPAP	Alkalinity-P	06	5 - 300 mg/l	Tablets Alkalinity-P										
<b>Aluminium</b>														
TbsHALM1	Aluminium	04	0 - 0.3 mg/l	Tablets Aluminium No. 1										
TbsPALM2				Tablets Aluminium No. 2										
<b>Ammonia</b>														
TbsHAM1	Ammonia (LR)	02	0 - 1 mg/l	Tablets Ammonia No. 1										
TbsPAM2				Tablets Ammonia No. 2										
ID155kit	Ammonia (HR)	155	1 - 50 mg/l	Kit 50 Ammonia HR vial 50 Ammonia Salicylate F5 Powder Pack 50 Ammonia Cyanurate F5 Powder Pack 100ml deionised water										
<b>Boron</b>														
TbsHBO1	Boron	07	0 - 2 mg/l	Tablets Boron No. 1 (25 tests)										
TbsPBO2				Tablets Boron No. 2										
<b>Bromine</b>														
TbsPD1	Bromine	08	0 - 13.00 mg/l	Tablets DPD 1										
TbsHGC				Tablets Glycine										
PL30DPD1A	Bromine	63	0 - 13.00 mg/l	Liquid PL DPD 1 A (125 tests)										
PL30DPD1B				Liquid PL DPD 1 B (125 tests)										
PLpow20DPDNitr				Powder PL DPD Nitrite Powder (285 tests)										
ppDPDtotalCl	Bromine	128	0 - 4.5 mg/l	Powder DPD Total Chlorine (Hach) (100 tests)										
<b>Carbohydrazide</b>														
PL65OxyScav1	Carbohydrazide	71	0 - 1.3 mg/l	Liquid PL Oxy. Scav. 1 (270 tests)										
PL65OxyScav2				Liquid PL Oxy. Scav. (65 tests)										
<b>Chloramines (Mono-/Di-)</b>														
TbsPD1	Chloramines	95	0 - 8 mg/l	Tablets DPD N° 1 Photometer										
TbsPD2				Tablets DPD N° 2 Photometer										
TbsPD3				Tablets DPD N° 3 Photometer										
<b>Chloride</b>														
TbsHCRD1	Chloride	10	0.5 - 25 mg/l	Tablets Chloride N° 1										
TbsPCRD2				Tablets Chloride N° 2										
PL65Chloride1	Chloride	124	0 - 100 mg/l	Liquid PL Chloride 1										
PL65Chloride2				Liquid PL Chloride 2										

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder				
					50	100	250	500	30ml	65ml	10g	20g	40g	50g	60g
<b>Chlorine</b>															
TbsPD1	Chlorine	11	0 - 8.00 mg/l	Tablets	DPD N° 1										
TbsPD3				Tablets	DPD N° 3										
PL30DPD1A	Chlorine	12	0 - 8.00 mg/l	Liquid	PL DPD 1 A (250 tests)										
PL30DPD1B				Liquid	PL DPD 1 B (250 tests)										
PL30DPD3C				Liquid	PL DPD 3 C (250 tests)										
TbsPCLHR	Chlorine (KI) (HR)	14	5 - 200 mg/l	Tablets	Chlorine HR (KI)										
TbsHAFG				Tablets	Acidifying GP										
PL65CIHR1	Chlorine (KI) (HR)	15	0 - 200 mg/l	Liquid	PL Chlorine HR 1 (541 tests)										
PL30CIHR2/PL65CIHR2				Liquid	PL Chlorine HR 2 (250/541 tests)										
ppDPDfreeCl	Chlorine (free)	129	0 - 2 mg/l	Powder	DPD Free Chlorine (Hach) (100 tests)										
TbsPD1MR	Chlorine (MR)	122	0 - 10 mg/l	Tablets	DPD N° 1 MR										
TbsPD3MR				Tablets	DPD N° 3 MR										
<b>Chlorine Dioxide</b>															
TbsPD1	Chlorine Dioxide	16	0 - 15.0 mg/l	Tablets	DPD N° 1										
TbsHGC				Tablets	Glycine										
PL30DPD1A	Chlorine Dioxide	64	0 - 15.0 mg/l	Liquid	PL DPD 1 A (250 tests)										
PL30DPD1B				Liquid	PL DPD 1 B (250 tests)										
PL30DPDGlycine				Liquid	PL DPD Glycine (250 tests)										
PL30DPD1A	Total Oxidant	108	0 - 8 mg/l	Liquid	PL DPD 1 A (250 tests)										
PL30DPD1B				Liquid	PL DPD 1 B (250 tests)										
PL30DPD3C				Liquid	PL DPD 3 C (250 tests)										
PL30DPDAcidif				Liquid	PL DPD Acidifying (250 tests)										
PL30DPDNeutr				Liquid	PL DPD Neutralising (250 tests)										
ppDPDfreeCl	Chlorine Dioxide	130	0 - 5 mg/l	Powder	DPD Free Chlorine (Hach) (100 tests)										
PL30DPDGlycine				Liquid	PL DPD Glycine (187 tests)										
<b>Chlorite</b>															
PL30DPD1A	Chlorite	106	0 - 8 mg/l	Liquid	PL DPD 1 A (125 tests)										
PL30DPD1B				Liquid	PL DPD 1 B (125 tests)										
PL30DPD3C				Liquid	PL DPD 3 C (250 tests)										
PL30DPDGlycine				Liquid	PL DPD Glycine (250 tests)										
PL30DPDAcidif				Liquid	PL DPD Acidifying (250 tests)										
PL30DPDNeutr				Liquid	PL DPD Neutralising (250 tests)										
<b>Chromium (hexavalent)</b>															
TbsHChro1	Chromium	94	0 - 2.2 mg/l	Tablets	Chromium N° 1										
TbsPChro2				Tablets	Chromium N° 2										
PLpow10Chromate1	Chromium	103	0 - 1 mg/l	Powder	PL Chromate 1 (142 tests)										
PL30-/PL65Chromate2				Liquid	PL Chromate 2 (50/108 tests)										
<b>COD</b>															
COD-79-LR	COD (LR)	79	0 - 150 mg/l	25 Prepared vials											
COD-80-MR	COD (MR)	80	0 - 1500 mg/l	25 Prepared vials											



If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder				
					50	100	250	500	30ml	65ml	10g	20g	40g	50g	60g
<b>COD</b>															
COD-17-HR	COD (HR)	17	0 - 15000 mg/l	25 Prepared vials											
<b>Colour</b>															
---	Colour	107	15 - 500 units	---											
<b>Copper</b>															
TbsHCu1	Copper	18	0 - 5 mg/l	Tablets Copper No. 1											
TbsPCu2	Copper	18	0 - 5 mg/l	Tablets Copper No. 2											
PLpow10-/PLpow20Cu1	Copper	19	0 - 5 mg/l	Powder PL Copper 1 (71/142 tests)											
<b>Cyanuric Acid</b>															
TbsPCAT-	Cyanuric Acid	20	2 - 160 mg/l	Tablets CYA-Test											
<b>DBNPA</b>															
PL30DPD1A	DBNPA	65	0 - 13 mg/l	Liquid PL DPD 1 A (250 tests)											
PL30DPD1B				Liquid PL DPD 1 B (250 tests)											
PL30DPD3C				Liquid PL DPD 3 C (250 tests)											
TbsPD1	DBNPA	82	0 - 13 mg/l	Tablets DPD °1											
TbsPD3				Tablets DPD °3											
<b>DEHA</b>															
PL65OxyScav1	DEHA	21	20 - 1000 µg/l	Liquid PL Oxyg. Scav. 1 (270 tests)											
PL65OxyScav2				Liquid PL Oxyg. Scav. 2 (65 tests)											
<b>Erythorbic Acid</b>															
PL65OxyScav1	Erythorbic Acid	70	0 - 3.5 mg/l	Liquid PL Oxyg. Scav. 1 (270 tests)											
PL65OxyScav2				Liquid PL Oxyg. Scav. 2 (65 tests)											
<b>Fluorescein</b>															
---	Fluorescein	113	0 - 500 µg/l	no reagents needed											
<b>Fluoride</b>															
PL65Fluoride1	Fluoride	72	0 - 2 mg/l	Liquid PL Fluoride 1 (34 tests)											
PL65Fluoride2				Liquid PL Fluoride 2 (162 tests)											
<b>Hardness</b>															
TbsHCH1-	Hardness - Calcium	78	0 - 500 mg/l	Tablets Calcium-H. N° 1											
TbsPCH2-				Tablets Calcium-H. N° 2											
TbsPCH	Hardness - Calcium (HR)	09	50 - 1000 mg/l	Tablets Calcium Hardness											
TbsPTH	Hardness - Total (LR)	56	2 - 50 mg/l	Tablets Total Hardness											
TbsPTH	Hardness - Total (HR)	57	20 - 500 mg/l	Tablets Total Hardness											
PL Total Hardness 1	Hardness - Total (HR)	148	0 - 200 mg/l	Liquid PL Total Hardness 1											
PL Total Hardness 2				Liquid PL Total Hardness 2											
<b>Hydrazine</b>															
PL65Hydraz1	Hydrazine	23	5 - 600 µg/l	Liquid PL Hydrazine 1 (162 tests)											
<b>Hydrocarbons</b>															
---	Hydrocarbons	160	yes/no	no reagents needed											
<b>Hydrogen Peroxide</b>															
PL30HydLRP1	Hydrogen Peroxide LR	66	0 - 3.8 mg/l	Liquid PL Hyd. Perox. LR 1 (250 tests)											
PL30HydLRP2				Liquid PL Hyd. Perox. LR 2 (250 tests)											

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder			
					50	100	250	500	30ml	65ml	10g	20g	40g	50g
<b>Hydrogen Peroxide</b>														
TbsPHP	Hydrogen Peroxide LR	24	0 - 3.8 mg/l	Tablets	Hyd. Peroxide LR									
PL65HydHRP1	Hydrogen Peroxide HR	25	0 - 200 mg/l	Liquid	PL Hyd. Perox. HR 1 (541 tests)									
PL65HydHRP2				Liquid	PL Hyd. Perox. HR 2 (541 tests)									
<b>Hydrogen Peroxide (DEWAN-50)</b>														
PL-DX DEWAN-50	DEWAN-50	109	0 - 300 mg/l	Liquid	Available via DINAX: <a href="http://www.dinax.hu">www.dinax.hu</a> (KTES0302400007)									
<b>Hydroquinone</b>														
PL65OxyScav1	Hydroquinone	26	0 - 2.5 mg/l	Liquid	PL Oxy. Scav. 1 (270 tests)									
PL65OxyScav2				Liquid	PL Oxy. Scav. 2 (65 tests)									
<b>Iodine</b>														
TbsPD1	Iodine	27	0 - 28 mg/l	Tablets	DPD 1									
PL30DPD1A	Iodine	67	0 - 28 mg/l	Liquid	PL DPD 1 A (250 tests)									
PL30DPD1B				Liquid	PL DPD 1 B (250 tests)									
<b>Iron</b>														
TbsPILR	Iron (LR)	28	0 - 1 mg/l	Tablets	Iron (LR)									
PLpow20IronMR1	Iron (MR)	29	0 - 10 mg/l	Powder	PL Iron MR 1 (285 tests)									
PLpow20IronMR2	Iron (MR) Fe <sup>2+</sup>	127	0 - 10 mg/l	Powder	PL Iron MR 2 (400 tests)									
PL65IronHR1	Iron (HR)	30	0 - 30 mg/l	Liquid	PL Iron HR 1 (162/108 tests)									
PL30IronHR2				Liquid	PL Iron HR 2 (375 tests)									
ppFerVer1	Iron total (LR)	132	0 - 3 mg/l	Powder	FerroVer® Iron PP (Hach) (100 tests)									
PL149-kit	Iron in Oil (Engine)	149	50 - 500 mg/l	Reagents and accessories kit to perform 60 tests										
<b>Isothiazolinone</b>														
PL30Isoz1	Isotiazolinone	88	0 - 10 mg/l	Liquid	PL Isothiazolinone 1 (187 tests)									
PL30Isoz2				Liquid	PL Isothiazolinone 2 (108 tests)									
PL30Isoz3				Liquid	PL Isothiazolinone 3 (95 tests)									
PL30Isoz4				Liquid	PL Isothiazolinone 4 (108 tests)									
PL30Isoz5				Liquid	PL Isothiazolinone 5 (150 tests)									
<b>Legionella</b>														
LGP-10	Legionella	147	60 - 1000000 cfu/test	<b>Kit to perform max. 9 tests (1 control / batch):</b>										
				1 x bottle (110ml) "L0 Diluent"										
				10 x single-doses (each 1ml) "L1 Capture Reagent"										
				1 x bottle (200ml) "L2 Washing buffer"										
				10 x single-doses (each 1ml) "L3 Enzyme-labeled anti-Legionella"										
				5 x tetra dose (each 5ml) "L4 Enzyme-co-substrates"										
				1 x bottle (2ml) "L5 Stopping reagent"										
				5 x disposable pipette										
				10 x 1ml CB cuvette										
				10 x 9ml MHCB cuvette										

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder			
					50	100	250	500	30ml	65ml	10g	20g	40g	50g
<b>Legionella</b>														
LGP-40	Legionella	147	60 - 1000000 cfu/test	<b>Kit to perform max. 39 tests (1 control / batch):</b> 1 x bottle (420ml) "L0 Diluent" 1 x bottle (42ml) "L1 Capture Reagent" 1 x bottle (750ml) "L2 Washing buffer" 1 x bottle (42ml) "L3 Enzyme-labeled anti-Legionella" 15 x tetra dose (each 5ml) "L4 Enzyme-co-substrates" 1 x bottle (4.4ml) "L5 Stopping reagent" 40 x 1ml CB cuvette 40 x 9ml MHCb cuvette										
LGP-100	Legionella	147	60 - 1000000 cfu/test	<b>Kit to perform max. 99 tests (1 control / batch):</b> 1 x bottle (1050ml) "L0 Diluent" 1 x bottle (105ml) "L1 Capture Reagent" 2 x bottles (each 940ml) "L2 Washing buffer" 1 x bottle (105ml) "L3 Enzyme-labeled anti-Legionella" 35 x tetra dose (each 5ml) "L4 Enzyme-co-substrates" 1 x bottle (11ml) "L5 Stopping reagent" 100 x 1ml CB cuvette 100 x 9ml MHCb cuvette										
<b>Magnesium</b>														
TbsPMag	Magnesium	93	0 - 100 mg/l	Tablets Magnesium Photometer										
<b>Manganese</b>														
TbsHMGNSLR1	Manganese	31	0.2 - 5 mg/l	Tablets Manganese LR No. 1										
TbsPMGNSLR2	Manganese	31	0.2 - 5 mg/l	Tablets Manganese LR No. 2										
TbsHMabVLR1	Manganese	161	0 - 0.030 mg/l	Tablets Manganese VLR No. 1										
TbsPMagVLR2	Manganese	161	0 - 0.030 mg/l	Tablets Manganese VLR No. 2										
<b>Methylethylketoxime</b>														
PL65OxyScav1	Methylethylketoxime	69	0 - 4.1 mg/l	Liquid PL Oxy. Scav. 1 (270 tests)										
PL65OxyScav2	Methylethylketoxime	69	0 - 4.1 mg/l	Liquid PL Oxy. Scav. 2 (65 tests)										
<b>Molybdate</b>														
TbsHMDL1	Molybdate (LR)	96	0 - 15 mg/l	Tablets Molybdate LR N° 1										
TbsPMDL2	Molybdate (LR)	96	0 - 15 mg/l	Tablets Molybdate LR N° 2										
PL65Moly1	Molybdate (HR)	33	5 - 200 mg/l	Liquid PL Molybdate 1 (162 tests)										
ppMolyVer1	Molybdate (HR)	134	0 - 40 mg/l	Powder MolyVer® 1 PP (Hach) (100 tests)										
ppMolyVer2	Molybdate (HR)	134	0 - 40 mg/l	Powder MolyVer® 2 PP (Hach) (100 tests)										
ppMolyVer3	Molybdate (HR)	134	0 - 40 mg/l	Powder MolyVer® 3 PP (Hach) (100 tests)										
TbsHMDH1	Molybdate	32	1 - 100 mg/l	Tablets Molybdate HR No. 1										
TbsPMDH2	Molybdate	32	1 - 100 mg/l	Tablets Molybdate HR No. 2										
<b>Nickel</b>														
TbsHNickHR1	Nickel (HR)	90	0 - 7 mg/l	Tablets Nickel HR N°1										
TbsPNickHR2	Nickel (HR)	90	0 - 7 mg/l	Tablets Nickel HR N° 2										
PL65NickHR1	Nickel (HR)	100	0 - 10 mg/l	Liquid PL Nickel HR 1 (100 tests)										
PL30NickHR2	Nickel (HR)	100	0 - 10 mg/l	Liquid PL Nickel HR 2 (150 tests)										
PL60NickHR3	Nickel (HR)	100	0 - 10 mg/l	Liquid PL Nickel HR 3 (150 tests)										

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder				
					50	100	250	500	30ml	65ml	10g	20g	40g	50g	60g
<b>Nitrate</b>															
PLpow20Nitra1	Nitrate	34	0.00 - 11.00 mg/l	Powder	PL Nitrate 1 (285 tests)										
PL65Nitra2				Liquid	PL Nitrate 2 (162 tests)										
<b>Nitrite</b>															
TbsPNI LR	Nitrite (LR)	35	0 - 0.5 mg/l	Tablets	Nitrite LR										
PLpow10-/PLpow20NitriHR1	Nitrite (HR)	36	5 - 200 mg/l	Powder	PL Nitrite HR 1 (142/285 tests)										
TbsHNIHR1	Nitrite (HR)	97	0 - 1500 mg/l	Tablets	Nitrite HR N° 1										
TbsPNIHR2	Nitrite (HR)	101	0 - 3000 mg/l	Tablets	Nitrite HR N° 2										
PL65NitriteHR2				Liquid	PL Nitrite HR 2 (108 tests)										
<b>Nitrogen</b>															
PL151-kit	Nitrogen-Total (LR)	151	0.5 - 25 mg/l	Kit	50 Hydrox. LR vials 50 Persulfate powder packs 50 Reagent A powder packs 50 Reagent B powder packs 50 Acid LR/HR vials 100ml DI-Water										
PL152-kit	Nitrogen-Total (HR)	152	5 - 150 mg/l	Kit	50 Hydrox. HR vials 50 Persulfate powder packs 50 Reagent A powder packs 50 Reagent B powder packs 50 Acid LR/HR vials 100ml DI-Water										
<b>Ozone</b>															
TbsPD1	Ozone	37	0 - 5.4 mg/l	Tablets	DPD N° 1										
TbsPD3				Tablets	DPD N° 3										
TbsHGC	Ozon	92	0 - 5.4 mg/l	Tablets	Glycine										
PL30DPD1A				Liquid	PL DPD 1 A (125/250 tests)										
PL30DPD1B				Liquid	PL DPD 1 B (125/250 tests)										
PL30DPD3C				Liquid	PL DPD 3 C (250 tests)										
PL30DPDGlycine	Liquid	PL DPD Glycine (250 tests)													
<b>Permanganate</b>															
TbsPPTT	Permanganate	159	0 - 100 %T	Tablets	PTT										
PTT-Metha				Liquid	Reagent grade Methanol										
<b>pH</b>															
TbsPBRCP	pH-value (LR)	40	5.2 - 6.8	Tablets	Bromocresolpurple										
TbsPpH	pH-value (MR)	38	6.5 - 8.4	Tablets	Phenol Red										
PL65PhenRed	pH-value (MR)	39	6.4 - 8.4	Liquid	PL pH 6.4-8.4 (270 tests)										
TbsPUPH	pH-Universal	41	5 - 11	Tablets	Universal pH										
PL65UnivpH	pH-Universal	42	4 - 11	Liquid	PL pH 4-11 (162 tests)										
<b>Phenol</b>															
TbsHPhen1	Phenol	98	0 - 5 mg/l	Tablets	Phenol N° 1										
TbsPPhen2				Tablets	Phenol N° 2										
TbsPPhen3				Tablets	Phenol CR										

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder						
					50	100	250	500	30ml	65ml	10g	20g	40g	50g	60g		
<b>PHMB</b>																	
TbsPPB	PHMB	43	2 - 60 mg/l	Tablets PHMB													
<b>Phosphate</b>																	
TbsHPPLR1	Phosphate (LR)	44	0 - 4 mg/l	Tablets Phosphate (LR) No. 1													
TbsPPPLR2				Tablets Phosphate (LR) No. 2													
PL65PPLR1	Phosphate (LR)	45	0 - 4 mg/l	Liquid PL Phosphate LR 1 (65 tests)													
PLpow10-/PLpow20PPLR2				Powder PL Phosphate LR 2 (142/285 tests)													
TbsHPPHR1	Phosphate (HR)	46	0 - 80 mg/l	Tablets Phosphate (HR) No. 1													
TbsPPPHR2				Tablets Phosphate (HR) No. 2													
PL65PPHR1	Phosphate (HR)	47	0 - 100 mg/l	Liquid PL Phosphate HR 1 (65 tests)													
PL65PPHR2				Liquid PL Phosphate HR 2 (65 tests)													
<b>Phosphonate</b>																	
PL65PPHON3	Phosphonate	87	0 - 20 mg/l	Liquid PL Phosphonate 3 (81 tests)													
PLpow20PPHON1				Powder PL Phosphonate 1 (285 tests)													
PLpow20PPHON2				Powder PL Phosphonate 2 (285 tests)													
PLpow20PPHON4				Powder PL Phosphonate 4 (285 tests)													
TbsPOPA	Phosphonate	110	0 - 20 mg/l	Tablets OrgaPhos No. 1													
TbsPOPB				Tablets OrgaPhos No. 2													
TbsHOPAX				Tablets OrgaPhos No. 3													
TbsHOXOP				Tablets OrgaPhos-OX													
<b>Phosphorus</b>																	
IPL153-kit	Phosphorus-Total (LR)	153	0 - 2.6 mg/l	Kit	50 Phosphorus LR vial												
					30ml PL Phosphorus LR 1												
					10g PL Phosphorus 2												
					100 tablets Phosphate LR 1												
					50 tablets Phosphate LR 2												
PL154-kit	Phosphorus-Total (HR)	154	0 - 52 mg/l	Kit	50 Phosphorus HR vial												
					30ml PL Phosphorus HR 1												
					10g PL Phosphorus 2												
					100 tablets Phosphate HR 1												
					50 tablets Phosphate HR 2												
<b>Polyacrylate</b>																	
PL65PLYA1	Polyacrylate	85	1 - 30 mg/l	Liquid PL Polyacrylate 1 (65 tests)													
PL65PLYA2				Liquid PL Polyacrylate 2 (65 tests)													
<b>Polyamine</b>																	
PL65Acsa1	Acsamine 28F	125	0 - 100 mg/l	Liquid PL Acsamine 1 (270 tests)													
PL65Acsa2				Liquid PL Acsamine 2 (65 tests)													
PL65Acsa1	Acsamine CC	145	0 - 100 mg/l	Liquid PL Acsamine 1 (270 tests)													
PL65Acsa2				Liquid PL Acsamine 2 (65 tests)													
PL65Acsa1	Acsamine CCA	146	0 - 100 mg/l	Liquid PL Acsamine 1 (270 tests)													
PL65Acsa2				Liquid PL Acsamine 2 (65 tests)													

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)	Tablets (10 per blister)				Liquid		Powder					
					50	100	250	500	30ml	65ml	10g	20g	40g	50g	60g	
<b>Polyamine</b>																
PL65Acsa1	Acsamine DW	126	0 - 100 mg/l	Liquid	PL Acsamine 1 (270 tests)											
PL65Acsa2				Liquid	PL Acsamine 2 (65 tests)											
PL65Acsa1	Acsamine DWBR1	141	0 - 100 mg/l	Liquid	PL Acsamine 1 (270 tests)											
PL65Acsa2				Liquid	PL Acsamine 2 (65 tests)											
PL65Acsa1	Acsamine DWC	142	0 - 100 mg/l	Liquid	PL Acsamine 1 (270 tests)											
PL65Acsa2				Liquid	PL Acsamine 2 (65 tests)											
PL65Acsa1	Acsamine SW	143	0 - 100 mg/l	Liquid	PL Acsamine 1 (270 tests)											
PL65Acsa2				Liquid	PL Acsamine 2 (65 tests)											
PL65Acsa1	Acsamine SWC	144	0 - 100 mg/l	Liquid	PL Acsamine 1 (270 tests)											
PL65Acsa2				Liquid	PL Acsamine 2 (65 tests)											
<b>Potassium</b>																
TbsPPTST	Potassium	48	0.7 - 12 mg/l	Tablets	Potassium											
<b>PTSA</b>																
---	PTSA	111	0 - 1000 µg/l	no reagents needed												
---	TRACER	157	0 - 1000 µg/l	no reagents needed												
---	Watch Products	156	0 - 1000 µg/l	no reagents needed												
<b>QAC</b>																
TbsHAFG	QAC	83	25 - 150 mg/l	Tablets	Acidifying GP											
TbsPQAC				Tablets	QAC HR											
<b>Silica</b>																
PL65SiLR1	Silica (LR)	49	0 - 5 mg/l	Liquid	PL Silica LR 1 (162 tests)											
PL65SiLR2				Liquid	PL Silica LR 2 (162 tests)											
PLpow40SiLR3				Powder	PL Silica LR 3 (190 tests)											
PLpow10-/PLpow20SiHR1	Silica (HR)	50	0 - 100 mg/l	Powder	PL Silica HR 1 (71/142 tests)											
PLpow60SiHR2				Powder	PL Silica HR 2 (241 tests)											
PLpow10SiHR3				Powder	PL Silica HR 3 (142 tests)											
<b>Sodium Hypochlorite</b>																
TbsPCLHR	Sodium Hypochlorite	51	0.2 - 40 %	Tablets	Chlorine HR (Ki)											
TbsHAFG				Tablets	Acidifying GP											
PL65CIHR1	Sodium Hypochlorite	68	0.2 - 40 %	Liquid	PL Chlorine HR 1 (541 tests)											
PL30CIHR2/PL65CIHR2				Liquid	PL Chlorine HR 2 (250/541 tests)											
<b>Sulphate</b>																
TbsPSULP	Sulphate	54	5 - 100 mg/l	Tablets	Sulphate											
PLpow10SULPHA1	Sulphate	55	5 - 100 mg/l	Powder	PL Sulphate 1 (142 tests)											
<b>Sulphide</b>																
TbsHSULFD1100	Sulphide	52	0.04 - 0.5 mg/l	Tablets	Sulphide No. 1											
TbsPSULFD2100				Tablets	Sulphide No. 2											
HaSulfide1	Sulphide	140	0 - 0,7 mg/l	Liquid	Sulfide 1 (Hach) (1000 tests)											
HaSulfide2				Liquid	Sulfide 2 (Hach) (1000 tests)											

If different pack sizes are offered, simply extend the item code by adding the quantity per pack.  
Example: TbsPD1-500 for a pack of 500 tablets DPD N° 1 Photometer

## Reagents

Item code	Parameter	ID	Measurement range	Reagent (N° of tests)		Tablets (10 per blister)				Liquid		Powder			
						50	100	250	500	30ml	65ml	10g	20g	40g	50g
<b>Sulphite</b>															
TbsPSULFTLR	Sulphite (LR)	53	0 - 10 mg/l	Tablets	Sulphite LR										
TbsHSULFHR1	Sulphite (HR)	105	0 - 300 mg/l	Tablets	Sulphite N° 1										
TbsPSULFHR2				Tablets	Sulphite N° 2										
<b>Suspended solids</b>															
-	Suspended solids	81	0 - 750 mg/l	no reagents needed											
<b>Tannic acid</b>															
PL65Tannin1	Tannic acid	91	0 - 150 mg/l	Liquid	PL Tannin 1 (65 tests)										
PL30Tannin2				Liquid	PL Tannin 2 (125 tests)										
<b>Transmission</b>															
---	Transmission-420 nm	114	0 - 100 % Trnsm	no reagents needed											
---	Transmission-470 nm	115	0 - 100 % Trnsm	no reagents needed											
---	Transmission-520 nm	116	0 - 100 % Trnsm	no reagents needed											
---	Transmission-570 nm	117	0 - 100 % Trnsm	no reagents needed											
---	Transmission-620 nm	118	0 - 100 % Trnsm	no reagents needed											
---	Transmission-670 nm	119	0 - 100 % Trnsm	no reagents needed											
<b>Turbidity</b>															
---	Turbidity	59	20 - 1000 FAU	no reagents needed											
---	Turbidity-NTU	112	0 - 1000 NTU	no reagents needed											
<b>Urea</b>															
TbsHAM1	Urea	120	0.1 - 2.5 mg/l	Tablets	Ammonia No.1										
TbsPAM2				Tablets	Ammonia No.2										
PL30Urea1				Liquid	PL Urea 1 (375 tests)										
PL10Urea2				Liquid	PL Urea 2 (Lovibond) (250 tests)										
TbsHAM1	Urea HR	120	0.2 - 5 mg/l	Tablets	Ammonia No.1										
TbsPAM2				Tablets	Ammonia No.2										
PL30Urea1				Liquid	PL Urea 1 (375 tests)										
PL10Urea2				Liquid	PL Urea 2 (Lovibond) (250 tests)										
<b>Zinc</b>															
TbsPCZ	Zinc	62	0 - 1 mg/l	Tablets	Copper/Zinc LR										
TbsHED				Tablets	EDTA										

## Accessories / spare parts / single components

### Accessories...

Using recommended, original PrimeLab accessories guarantees consistent quality at affordable prices.

We endeavour to offer you a wide range of accessories & spare parts to choose from.

If you are unable to find a specific item you are looking for, please do not hesitate to contact us.



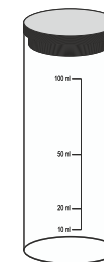


## Spare parts / single components / special equipment

Item code	Item description	Quantity/unit
<b>Vials and measuring cups</b>		
PLSp-Kv2410-10	Set of 10 x 24mm (10ml) round glass vials with caps / light shield integrated in cap	10
PLSp-Kv2410-50	Set of 50 x 24mm (10ml) round glass vials with caps / light shield integrated in cap	50
PLSp-Kv2410-100	Set of 100 x 24mm (10ml) round glass vials with caps / light shield integrated in cap	100
SVZdev100	100ml plastic measuring cup	1
<b>Dosing equipment</b>		
SPinj1	Syringe (10ml)	10
PLSp-PIP10ml	10 ml pipette (variable volume 1-10ml)	1
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette	1
<b>Filter utilities</b>		
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder	1
PLSp-Filtad1	filter holder for PLSp-InjFil-1 luer lock syringe	1
PLSp-FiltGFC	25mm GF/C Filter. Bottle of 50 filter papers	1
PLSp-Filt45M	25mm 0.45 µm filter. Bottle of 50 filter papers	1
<b>Stirring rods / cleaning brushes</b>		
SPstr10	Set of 10 x 10.5 cm plastic stirring rods	10
SPstr50	Set of 50 x 10.5 cm plastic stirring rods	50
SPstr100	Set of 100 x 10.5 cm plastic stirring rods	100
SPclb10	Set of 10 x 9.5 cm cleaning brushes	10
SPclb50	Set of 50 x 9.5 cm cleaning brushes	50
SPclb100	Set of 100 x 9.5 cm cleaning brushes	100
<b>Accessories</b>		
PLSp-MEAd-1	Adapter for 16mm prepared vials (COD ID 17/79/80)	1
PLSp-CODheatblock-E	Heat block for 8 x 16mm vials. Temp. 70, 100, 120, 150 and 160°C. Digital reading, 220 - 240 V / 50 - 60 Hz and 110 - 130 V / 50 - 60 Hz, 140W	1
PLSp-CODheatblock-L	Single block thermostat for 12 x 16mm vials. Temperature up to 150°C. Digital reading. 230V, 50/60 Hz.	1
PLSp-mft-1	Micro fiber cloth 13x13 cm for PrimeLab vials	1
<b>Spares</b>		
PLSp-LS-1	Light shield for 16mm (10ml) standard vials and for MERCK adapter (PLSp-MEAd-1)	1
PLSp-BitD-1	Bluetooth® USB dongle (to enable Bluetooth® on any Windows-PC)	1
PLSp-DC-1	PrimeLab DC adapter with interchangeable international plugs	1
<b>Reference standard kit</b>		
PLSp-Ref112038-f	Reference standard kit for PrimeLab IDs 11 (chlorine by tablet), ID 20 (cyanuric acid) and ID 38 (pH by tablet). 2 standards for ID 11 (~0.5 mg/l and ~2 mg/l), 1 standard for ID 20 (~80 mg/l), 1 standard for ID 38 (~7.00 pH) as well as a ZERO vial. In a box with description. 1 year shelf life.	
PLSp-Ref122039-f	Reference standard kit for PrimeLab IDs 12 (chlorine by liquid), ID 20 (cyanuric acid) and ID 39 (pH by liquid). 2 standards for ID 12 (~0.5 mg/l and ~2 mg/l), 1 standard for ID 20 (~80 mg/l), 1 standard for ID 39 (~7.00 pH) as well as a ZERO vial. In a box with description. 1 year shelf life.	

## Special equipment

(needed for some measurements and can be added individually)



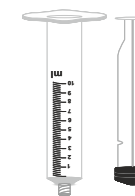
100 ml  
Measuring  
cup



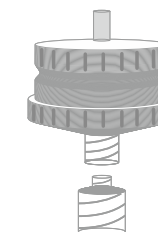
10 ml  
Pipette (variable  
volume 1 - 10 ml)



Tips for  
10 ml  
Pipette



20 ml  
Luer-lock-syringe  
for filter adapter



Filter adapter  
for filter syringe



## Adapter for PTSA / Turbidity / Fluoresceine measurement

Item code	Item description
<b>Adapter and accessories</b>	
PLSp-ADP-PTSA	Adapter-Kit "PTSA" for ID 111. Case with adapter, batteries, standards, vial and pipette
PLSp-ADP-FLSC	Adapter-Kit "Fluorescein" for ID 113. Case with adapter, batteries, standards, vial and pipette
PLSp-ADP-TRB	Adapter-Kit "Turbidity" (FTU) for ID 112. Case with adapter, batteries, standards, vial and pipette
<b>Referenz standards</b>	
PLSp-RefPTSA	2 x 100ml reference standards 500 µg/l PTSA, deionised water
PLSp-RefFLSC	2 x 100ml reference standards 100 µg/l Fluorescein, deionised water
PLSp-RefTRB	3 x 10ml reference standards 0.5 NTU, 10 NTU, 1000 NTU

Some test procedures, such as Turbidity (NTU), PTSA and Fluorescein, require scattered rather than direct light (LED -> sensor). To achieve this and to still use all functionality of your PrimeLab, e.g. *Bluetooth*® connectivity, use of software, app and cloud services etc., an adapter is used which shines your water sample from above, enabling the PrimeLab to measure using scattered light (90° angle between adapter and sensor). The adapter comes in a black carrying case with professional lab-pipette, all necessary calibration-solutions, batteries and a glass vial. Adapter and PrimeLab communicate by light. You do not even need to switch on the adapter. It will be auto-detected.

### PrimeLab Turbidity-Adapter

If turbidity should be measured in low ranges (below 20 NTU) the nephelometric method in which the LED does not shine directly through the water sample to the sensor (as in FAU), but at a 90° angle, is used. This process can be recognized by the suffix "NTU" / "FTU" or "FNU" as the measured value. More information on the nephelometric principle can be found in DIN EN ISO 7027. The PrimeLab-Turbidity-Adapter is based on secondary standards, verified against formazine international turbidity standard) standards and uses a white-light source.

### PrimeLab PTSA-Adapter

PTSA (1,3,6,8-pyrenetetrasulfonic acid tetrasodium salt) is a stable fluorescent tracer dye that emits wavelengths between 400 and 500 nm when irradiated with UV light. It provides an excellent choice for the active on-line monitoring of cooling water treatment when a fixed known amount is added to the inhibitor being dosed. Once added to the water circulation system it is stable over time, does not react easily with other substances and is environmentally safe. The PrimeLab-PTSA-Adapter uses a UV-light source.

### PrimeLab Fluorescein-Adapter

Fluorescein is a stable fluorescent tracer dye that emits green light with wavelengths between 520 and 530 nm upon excitation with blue light with a maximum absorption at 495 nm. It provides an accurate, cost effective method for monitoring industrial boiler applications when a fixed known amount is added to dosage program. Once added to the water circulation system it is stable over time and is environmentally safe when dosed at the concentrations required for boiler water analysis.



Adapter-kit measuring Turbidity



Adapter measuring PTSA / Turbidity / Fluoresceine



## Accessories for Legionella testing

Item code	Item description
<b>Agitator for more than 7 tests (up to 19 tests + 1 control)</b>	
LG-MP4	<b>MP4 Multitest agitator - KIT:</b> 1 x Automatic agitator to place 20 x MHCBC cuvettes at a time, which can (1 control / batch) 1 x LG-MP4-AGT multitest agitator 7 x LG-MP4-IHMHCBC insertable holder for MHCBC cuvettes 7 x LG-MP4-MHCBC magnetic holder for MHCBC cuvettes 7 x LG-MP4-BB box bracket 20 x LG-MHCBC MHCBC cuvettes 1 x LG-MP4-TC table cloth 1 x LG-MP4-PLT platform
<b>Spare parts</b>	
LG-MP4-rack	1 x acrylic support with 2 magnets; suitable for 4 MHCBC cuvettes
LG-MP2-tblcl	1 x table cloth for MP2 to avoid magnet interferences between several MP2 used parallel
PLSp-LegiAD-1	PrimeLab Adater for 1ml CB cuvettes
PLSp-LG-ELF10	10 x 60 ml Elution Flask
PLSp-LG-ELF100	100 x 60 ml Elution Flask
<b>Accessories / Filter equipment</b>	
LP-Fil-man	<b>1-time-use manual filter kit:</b> 1 x 60ml Elution Flask 1 x Syringe Glass fiber filter, with pore 1 x Self-contained micro-filter 1 x Syringe elution of 10 ml with Luer Lock connector (2 units) 1 x Syringe filtration of 50 ml with Luer Lock 1 x Stopper 2 x Stopper filter end
LP-Fil-Prof	<b>Professional filter equipment:</b> 1 x Vacuum pump 1 x filtration funnel 1 x glass collect bottle 1000ml 1 x tweezers 1 x scissor 10 x elution flasc 100 x filter papers GF/C for LP-Fil-Prof 100 x filter papers 0.40µ for LP-Fil-Prof
LP-Fil-GFC	<b>GF/C (Pre-) filter (47mm diameter):</b> 100 x filter papers GF/C for LP-Fil-Prof
LP-Fil-40M	<b>0.40µ Polycarbonate filter (47mm diameter):</b> 100 x filter papers 0.40µ for LP-Fil-Prof
PLSp-Leg-Fridge	<b>4-Liter portable fridge</b> 12V/220V. Cools up to 25°C below outside temperature. For Legipid reagents

**Legionellatest-reagents can be found under „reagents“ on page 18-19!**



Adapter  
measuring  
Legionella bacteria

## Advantage of Legipid® + PrimeLab

Current standard recommended Legionella test is based on a cultural method, needing up to 2 weeks for Legionella bacteria to grow and to be counted which is far too long to take action and to prevent danger.

The new Legipid® test is based on a patented, immunomagnetic method, detecting only living Legionella sp. As tests develops a readable color, it now got adapted on the PrimeLab 1.0 Photometer.

