

# PRIMELAB 2.0

## THE ULTIMATE PHOTOMETER



**MORE THAN 140 PARAMETERS**

**18 WAVELENGTHS (410-940 NM)**

**5.5" COLOUR HD TOUCH DISPLAY**

**CAMERA (QR-CODE SCANNER)**

**USB TYPE-C\***

**WiFi, USB, 4G\*\*, BLUETOOTH®**

**PROBE-CONNECTOR (PH|EC|TDS|TEMP|ORP)**

- DRINKING WATER
- LABORATORIES
- WASTE WATER
- MARINE
- BOILER WATER
- COOLING WATER
- POOLS
- FOOD PROCESSING

The next generation of photometers – the PrimeLab 2.0, developed by Water-i.d.®

High-precision readings due to 18 parallel wavelengths, WiFi-USB-Bluetooth®-GSM\*\* connection, powerful software and app, synchronised via a free cloud service, large HD touch display and the possibility to connect electrodes are just some of the features of the new PrimeLab 2.0, which replaces the proven PrimeLab 1.0 from 2013.

While conventional photometers only perform tests at selected wavelengths, the Primelab can also receive data from 18 different wavelengths in parallel and thus covers the most important parts of the UV and IR range as well as the entire VIS range. Corresponding LEDs are positioned at both 180° and 90° to also allow NTU turbidity, PTSA and fluorescein measurements. Very narrow peaks between 390 and 950 nm enable the most accurate readings, close to the performance of a spectrophotometer.

The highly professional PrimeLab 2.0 firmware interpolates between the different wavelengths, while some parameter curves are set to use multiple wavelengths to obtain the most accurate test results. For each individual parameter method, there are step-by-step instructions in many different languages, as well as useful animations and links to user videos to ensure that the correct and proper procedure is followed.

Like the PrimeLab 1.0, the PrimeLab 2.0 offers a flexible parameter setup with all the options to upgrade as needed. The PrimeLab 2.0 offers more than 140 different parameters/methods, covering the needs of many different industries. With its built-in camera, the PrimeLab 2.0 offers the ability to scan QR-codes to identify sampling points set up by the user and to identify reagents with QR-code on the packaging.

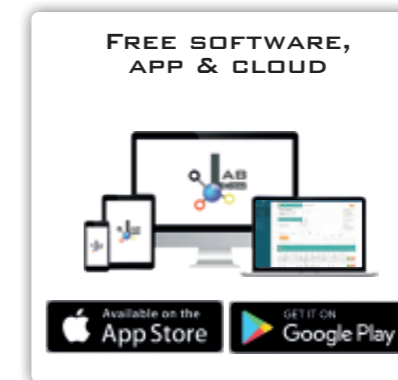
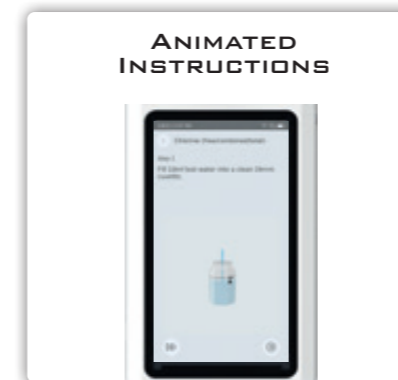


Advantages of these options are:

- Scanning the QR-code of a sampling site ensures that you always link the test results you receive to the correct sampling point. This shortens the testing process as the associated account is automatically selected.
- Scanning QR-codes on reagent packaging prevents the wrong or even expired reagents from being used and speeds up the testing process by pre-selecting the parameter method.


Over time, water analysis has become much more than just a test. Real-time availability of reliable test results and data management are as important as the test results themselves. The PrimeLab 2.0 is the ultimate in connectivity! With WiFi-USB-GSM\*\*(via USB modem) there are several ways to connect the PrimeLab 2.0 to a smartphone, tablet, computer or directly to the LabCOM® cloud.

Wherever the tests are carried out, whether it is in the lab, on site or on a ship, inside a cooling tower – in fact anywhere – the data can be transferred easily and automatically.




\*for charging, data transfer, probe connection and 4G\*\* modem \*\*via USB Internet stick | Accessories | possibly subject to a charge for connection

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



**Basic Kit:**

- 1 x PrimeLab 2.0 photometer
- 1 x Grey plastic case with foam insert
- 4 x 24mm|10ml glass cuvettes
- 1 x light protection cap
- 1 x 10ml syringe
- 1 x plastic stirring rod
- 1 x cleaning brush
- 1 x DC adapter (110|220V) with international plugs & USB cable
- 1 x Fully printed manual



**Parameters:**

Select as many parameter methods as you like from the more than 140 available. Don't worry about missing a parameter, because you can always purchase a code to activate more parameters. PrimeLab software and app are updated via the internet and always give you the most up-to-date list of available parameters so your PrimeLab always stays up to date!

You can view the latest parameter list at [www.primelab.org](http://www.primelab.org)



**Reagents | Accessories:**

Select reagents according to the selected parameters. Add accessories, e.g. more cuvettes, stirring rods, professional pipettes, adapters for different cuvette sizes and much more.



Easily exchangeable adapter for 24mm, 16mm and 1ml semi-microvials (rectangle)

Extra strong 8400 mAh battery for long runtimes

Camera for scanning QR-codes

5.5" colour HD touch-display

USB type C port for charging, data transfer, probe-connection and GSM-modem.

PRIMELAB 2.0

Wi-Fi, Bluetooth, USB, 4G\*

# STARTER KITS



<b>Starter Kit 1</b> PL02B	No parameters/methods activated Without reagents
<b>Starter Kit 2</b> PL02BALL-wo90	All parameters activated <b>except</b> Turbidity (NTU) PTSA Fluorescein Without reagents
<b>Starter Kit 3</b> PL02BALL	<b>All</b> parameters activated Without reagents
<b>Starter Kit 4</b> PL02B-TRB	<b>WITH Turbidity (NTU) only</b> Without reagents No other parameters methods activated

## PRIMELAB 2.0 – STARTER KIT ACCESSORIES

Item-Code	Kit
<b>Starter Kit 1</b> PL02B	<ul style="list-style-type: none"> <li>1 x Grey plastic carrying-case with foam insert</li> <li>1 x PrimeLab 2.0 Multitest Photometer</li> <li>5.5" HD-Colour-Touch Display</li> <li>18 wavelengths-scan (410 – 940nm)</li> <li>„90° ready“ for NTU, PTSA, Fluorescein, Plankton</li> <li>Option of over 140 different parameters (chargeable activation required)</li> <li>8.400 mAh Li-Ion-battery (built-in)</li> <li>Bluetooth® 4.2</li> <li>WiFi/USB Type C   GSM (via USB-Type-C Modem)</li> <li>Option to connect Electrodes (via USB Type C plus A/D-changer-Box)</li> <li>Built-in camera to scan QR-codes</li> <li>Self-Calibration-Mode with certificate (via LabCOM® software)</li> <li>„I-OTZ“ Intelligent-One-Time-Zero</li> <li>Compatible to the free of charge PrimeLab tools:</li> <li>LabCOM® App  Software Cloud (Android, iOS, Windows, Mac, Browser)</li> <li>4 x 24mm 10ml glass-vials with lid (light-shield incorporated into the lid)</li> <li>1 x Light shield (for 16mm and 1ml vials as well as check-standards)</li> <li>1 x 24mm vial adapter (built-in; exchangeable)</li> <li>1 x 10.5 cm stirring rod</li> <li>1 x 10ml plastic syringe (graduated)</li> <li>1 x Vial cleaning brush</li> <li>1 x Microfibre cleaning cloth for vials</li> <li>1 x Charger with cable (USB-Type-C)</li> <li>1 x Printed user manual in a ring-binder</li> </ul>
<b>Starter Kit 2</b> PL02BALL-wo90	<p><b>Additional To Starter Kit 1</b></p> <ul style="list-style-type: none"> <li>1 x 16mm vial adapter</li> <li>1 x 1ml semi-micro-vials (rectangle) adapter</li> <li>1 x Luer lock syringe (20ml) with adapter for filter holder</li> <li>1 x Filteradapter for 20ml Luer-Lock-Spritze</li> <li>1 x Can with 50 filter-papers GF/C (25mm)</li> <li>1 x Can with 50 filter-papers 0.4µ (25mm)</li> <li>1 x 100ml can with lid (for dilution)</li> </ul>
<b>Starter Kit 3</b> PL02BALL	<p><b>Additional To Starter Kit 1</b></p> <ul style="list-style-type: none"> <li>1 x 16mm vial adapter</li> <li>1 x 1ml semi-micro-vials (rectangle) adapter</li> <li>1 x Luer lock syringe (20ml) with adapter for filter holder</li> <li>1 x Filteradapter for 20ml Luer-Lock-Spritze</li> <li>1 x Can with 50 filter-papers GF/C (25mm)</li> <li>1 x Can with 50 filter-papers 0.4µ (25mm)</li> <li>1 x 100ml can with lid (for dilution)</li> </ul>
<b>Starter-Kit 4</b> PL02B-TRB	<p><b>Additional To Starter Kit 1</b></p> <ul style="list-style-type: none"> <li>1 x 1 - 10ml professional lab pipette with 2 tips</li> <li>1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5/10/1000 NTU</li> <li>1 x Activation Code ID 112 Turbidity</li> </ul>



# 18 WAVELENGTH SENSOR TECHNOLOGY

UV – VIS – IR peaks at:

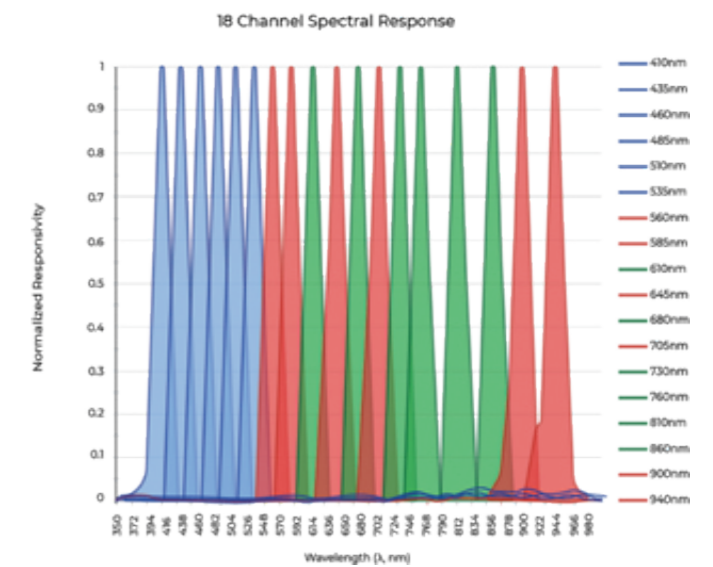
410nm	435nm	460nm	485nm	510nm	535nm
560nm	585nm	610nm	645nm	680nm	705nm
730nm	760nm	810nm	860nm	900nm	940nm



While normal photometers perform measurements on one selected wavelength only, the PrimeLab 2.0 can receive data from 18 different wavelengths, covering the key parts of UV and IR section of the spectrum and the full VIS range.

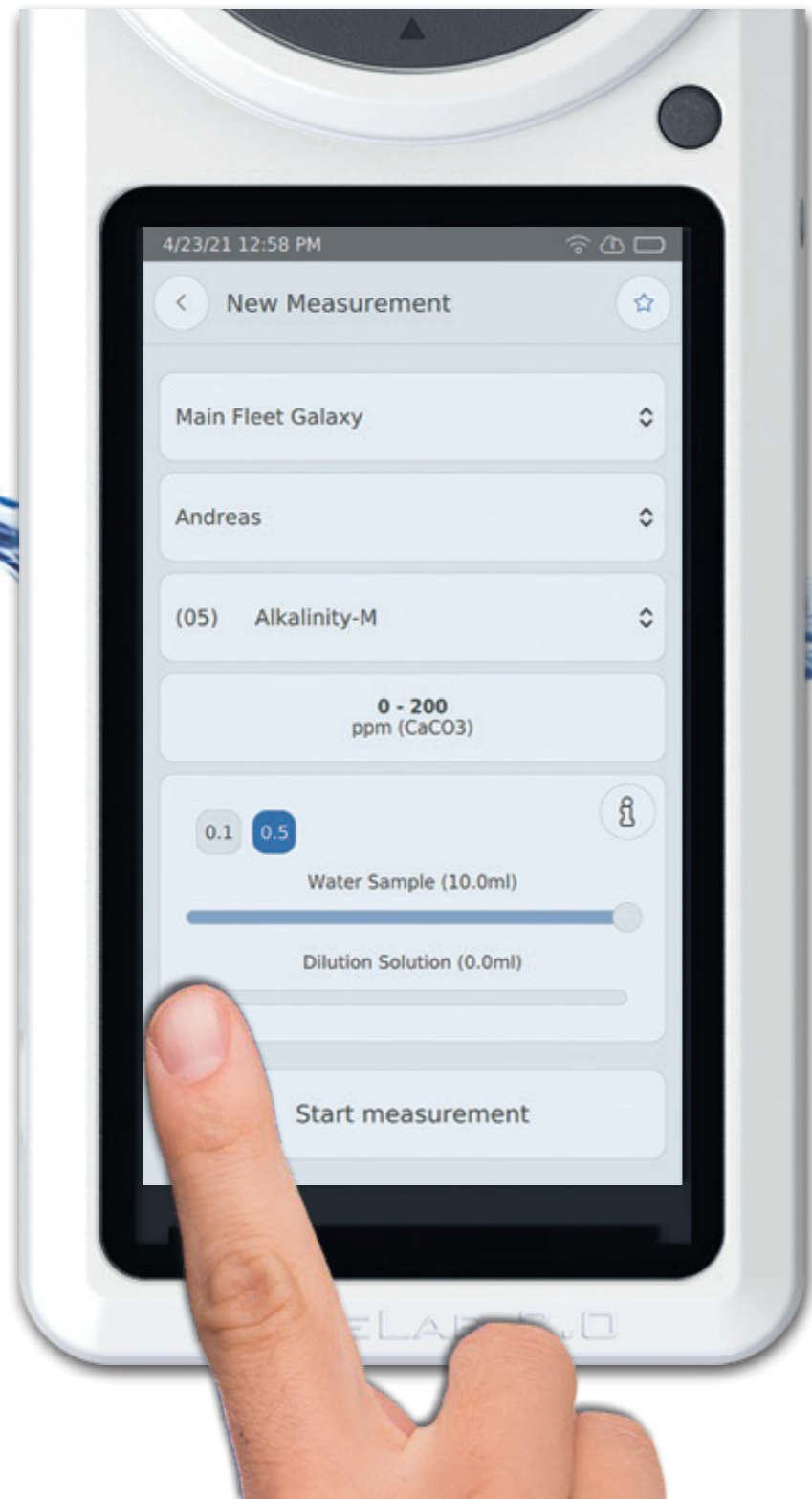
Three sensors, each with six wavelengths, are interconnected together. To enable NTU-Turbidity, Fluorescein and PTSA measurements, corresponding LEDs are set up at an angle of 180° as well as 90°. Very narrow peaks between 390 and 950 nm allow utmost accurate readings, similar to the performance of a spectrophotometer.

The highly professional PrimeLab 2.0 firmware can interpolate between the different wavelength readings, while some of the parameter curves are set to use multiple wavelengths to obtain the most accurate test results.



18 wavelengths throughout the UV - VIS - IR range are covered by sensors used by the PrimeLab 2.0. Narrow peaks on the spectral curve allow utmost accuracy.

## 5.5" COLOUR-HD TOUCH DISPLAY



The PrimeLab 2.0 features a state-of-the-art 5.5" colour HD touch display.

The large display gives a perfect overview of all basic information, such as battery status, WiFi, 4G\* and Bluetooth® connectivity and offers highest flexibility for you to arrange icons as you would on your smartphone.

Each and every parameter/method comes with step by step instructions in many different languages plus useful animations and links to user videos, ensuring the correct procedure is followed to get the measurement result accurate and correct.

Due to the large 5.5" display, all data can be easily managed on the PrimeLab 2.0.





## ADAPTERS FOR DIFFERENT VIALS

1ml semi-micro-vial (rectangle)  
(e.g. for Legionella testing)

16mm  
(e.g. for COD testing)

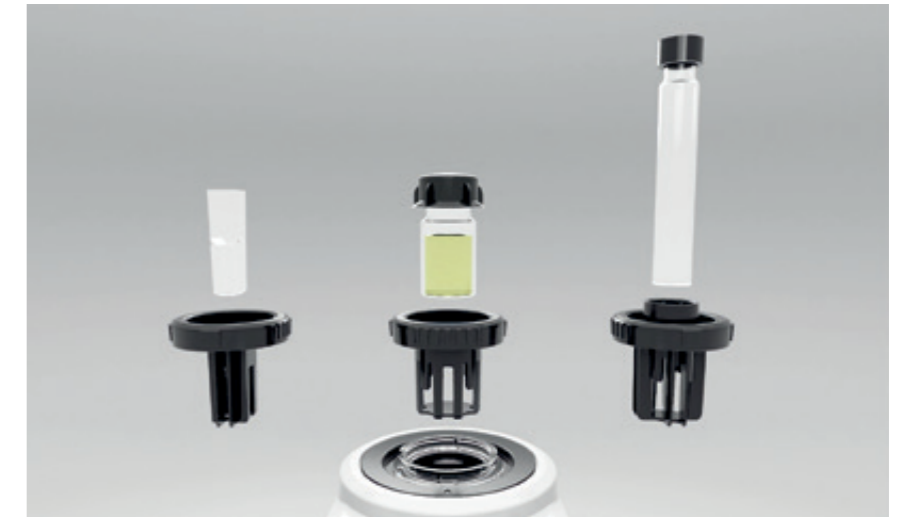
24mm (standard)



The PrimeLab 2.0 uses 24mm glass vials, 16mm glass vials and 1ml semi-micro-vials (rectangle).

The vial adapter can easily be changed and replaced with a simple, built in, bayonet lock. The same procedure is used for fitting and replacing each adapter (step 1 – 3).

To remove the adapter again, turn it anticlockwise and pull it out. Please make sure to use the lightshield (image on the bottom of the page) when measuring with the 16mm and 1ml semi-micro-vial (rectangle) adapter.



**Step 1:**  
Place your chosen adapter in the transparent protective cup of the smartchamber. Push the adapter down to fix it in place.



**Step 2:**  
Turn the adapter clockwise until you hear and feel the adapter click into place.



**Step 3:**  
Please make sure that the raised area on the adapter is in line with the triangle/arrow on the PrimeLab 2.0



Check out our YouTube channel

Lightshield for measuring in the PrimeLab 2.0 with 16mm and 1ml semi-micro-vials (rectangle)



# PRIMELAB 2.0 CAMERA

++ AVAILABLE SOON FOR YOU ++



With the built in camera, the PrimeLab 2.0 gives the option to scan QR-codes to identify sampling points set up by the user and to identify reagents with QR-codes on the package. The advantages of this options are significant:

**1.** Scanning the QR-code of a sampling point ensures that you always connect the test results obtained to the right sampling point. Rapidly reducing the test process as the related sampling

point will be selected automatically, ready for the next measurement.

**2.** Scanning QR-codes from the reagent's package prevents from ever using wrong or even expired reagents, accelerating the test process by pre-selecting the parameter/method, and being ready for the next measurement.





## CONNECTING PRIMELAB 2.0

WiFi | USB | 4G\* | BLUETOOTH



Over time, water testing became much more than just testing. Real-time availability of reliable test results plus data management are as important as the test results itself. As said, the PrimeLab 2.0 is the ultimate choice for connectivity!

WiFi, USB (Type C), 4G\* and Bluetooth® are available as

multiple options to connect the PrimeLab 2.0 with a smartphone, tablet, computer or directly with the LabCOM® Cloud.

Wherever the tests are performed, whether in a lab, on site, on a ship, or in a cooling tower – in fact anywhere – data can easily and automatically be transferred.





# LABCOM® SOFTWARE, APP & CLOUD

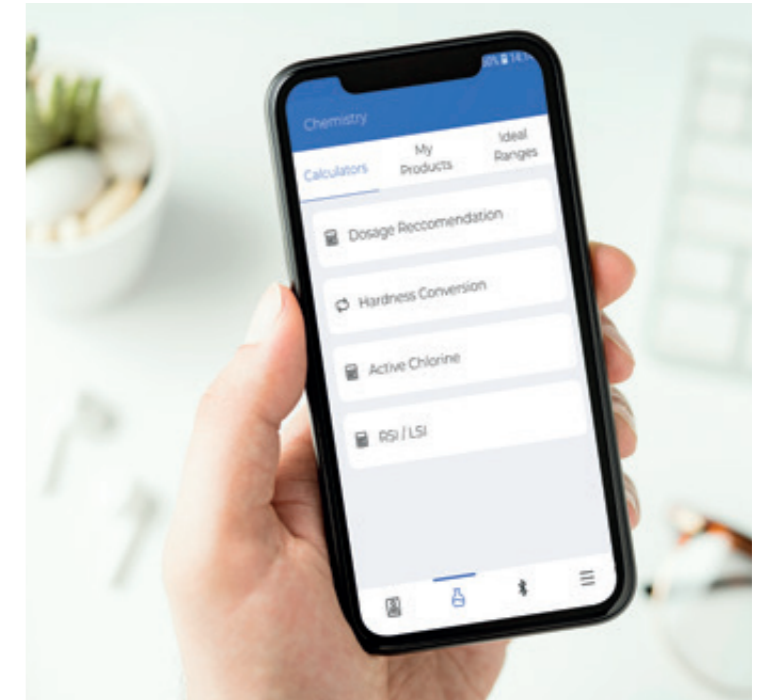


## All free of charge!

The most powerful LabCOM® App, Software & Cloud-solution, developed over many years and in use with the PrimeLab 1.0 and with the Pool-Lab®, also connects and runs with the PrimeLab 2.0.

The PrimeLab 2.0 along with the LabCOM® App and Software allows you to create unlimited users. In addition you can enter individual water treatment chemicals. All these are synchronized via the LabCOM® Cloud. Reports can be created, printed or sent, dose recommendations can be created and statistics can be run.

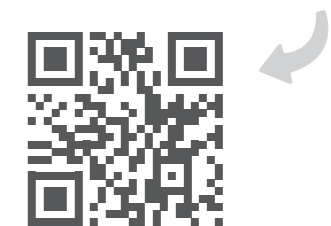
The featured admin tool allows you to create rules, such as: needs to be tested daily or: test result must be in between... and gives warnings when these rules are broken. With the admin tool, the user also can grant access to other users, such as customers or headquarters, with full flexibility to select what information shall be shared.



The LabCOM® Cloud solution (free of charge) requires less than a minute for registration. It provides full access to all test results, sampling points and individual water treatment chemicals either through a regular internet browser or on a smartphone (Android/iOS), tablet or on a computer (Windows/Mac). Your data is synchronized automatically and instantly available to review.

The LabCOM® Cloud includes the admin-tool to set up rules, run statistics and grant access to selected users.

Once a cloud account is registered (free of charge), test results, administrator settings, rules and reports can be managed online: <https://labcom.cloud>



# FLEXIBLE PARAMETER SETUP



### Why pay for more parameters than needed?

As with PrimeLab 1.0, the PrimeLab 2.0 is offering a flexible parameter setup with all options to upgrade whenever needed. The PrimeLab 2.0 offers more than 140 different parameters/methods, covering the needs of many different industries. It is rather unlikely that one user will be in need of all parameters offered.

That's why the PrimeLab 2.0 practices fairplay by giving the user the option to choose and pay only for those parameters they really need. This keeps the costs down to a minimum and makes the PrimeLab 2.0 even more convenient to use. Even after purchase, the user has the option to activate additional parameters at any time by just ordering an activation code, to be entered on the PrimeLab 2.0 for instant activation.

If a PrimeLab 2.0 with all parameters activated is needed there is two options:

- 1:** PrimeLab 2.0 with all parameters activated (PLO2BALL)
- OR 2:** PrimeLab 2.0 with all parameters activated except Turbidity (NTU)|PTSA|Fluorescein (PLO2BALL-wo90).

#### Step 1:

Order the PrimeLab 2.0 Basic Kit in a carrying case with device, lightshield, vials, stirring rod, charger, cleaning brush, microfibre cloth, syringes and full printed user manual.

#### Step 2:

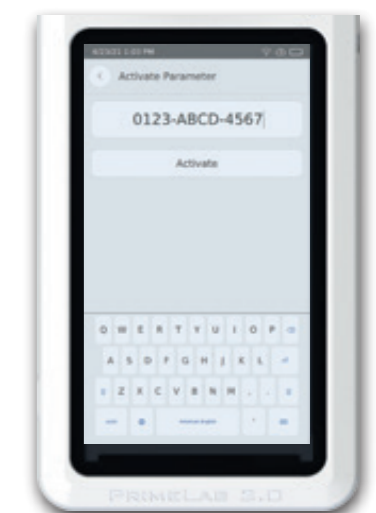
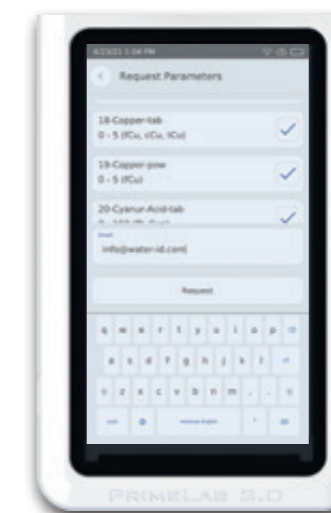
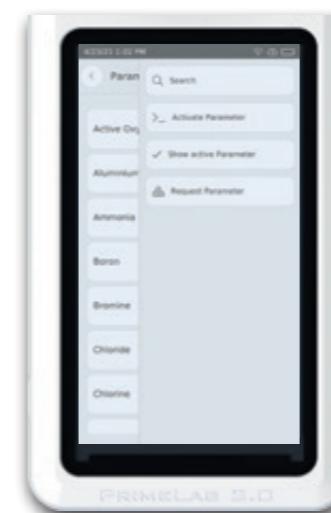
Choose those parameters/methods from the parameter's list, which shall be pre-activated when the PrimeLab 2.0 will be delivered (find the parameter list on p.56)

#### Step 3:

Find additional accessories, such as additional vials, pipettes, filter equipment plus reagents according to the parameters selected.

#### Step 4 (optional):

Order activation codes (at any time) for additional parameters, whenever required. Activate directly on the PrimeLab 2.0 or through the LabCOM® Software/App.







**PRIMELAB 2.0 – LIST OF PARAMETERS**

Item-Code	Parameter	Measurement Range	Resolution	Reagent*
PLPar1	Active Oxygen	0 – 40 mg/l	0.1	T
PLPar5	Alkalinity–M	5 – 200 mg/l	1	T
PLPar121	Alkalinity–M (HR)	0 – 500 mg/l	1	T
PLPar6	Alkalinity–P	25 – 300 mg/l	1	T
PLPar4	Aluminium	0 – 0.3 mg/l	0.01	T
PLPar2	Ammonia (LR)	0 – 1 mg/l	0.01	PP
PLPar155	Ammonia (HR)	1 – 50 mg/l	0.1	TT + PP
PLPar7	Boron	0 – 2 mg/l	0.1	T
PLPar8	Bromine	0 – 18 mg/l	0.01	T
PLPar63	Bromine	0 – 18 mg/l	0.01	L + P
PLPar128	Bromine	0 – 4.5 mg/l	0.01	PP
PLPar71	Carbohydrazide	0 – 1.3 mg/l	0.01	L
PLPar95	Chloramines	0.00 – 8.00 mg/l	0.01	T
PLPar10	Chloride	0.5 – 25 mg/l	0.1	T
PLPar124	Chloride	0 – 100 mg/l	0.1	L
PLPar167	Chloride in Methanol	0 – 20 mg/l	0.01	L
PLPar11	Chlorine (free–combined–total)	0.00 – 8.00 mg/l	0.01	T
PLPar12	Chlorine (free–combined–total)	0.00 – 8.00 mg/l	0.01	L
PLPar129	Chlorine (free)	0 – 2 mg/l	0.01	PP
PLPar122	Chlorine (MR)	0.00 – 10.00 mg/l	0.01	T
PLPar14	Chlorine (HR)	5 – 200 mg/l	1	T + PP
PLPar15	Chlorine (HR)	0 – 200 mg/l	1	L
PLPar16	Chlorine Dioxide	0 – 15 mg/l	0.01	T

Item-Code	Parameter	Measurement Range	Resolution	Reagent*
PLPar64	Chlorine Dioxide	0 – 15 mg/l	0.01	L
PLPar130	Chlorine Dioxide	0 – 5 mg/l	0.01	PP + L
PLPar108	Total Oxidant	0 – 8 mg/l	0.01	L
PLPar106	Chlorite	0 – 8 mg/l	0.01	L
PLPar94	Chromium	0 – 2.2 mg/l	0.01	T + PP
PLPar103	Chromium	0 – 1 mg/l	0.01	P + L
PLPar79	COD (LR)	0 – 150 mg/l	1	TT
PLPar80	COD (MR)	0 – 1500 mg/l	1	TT
PLPar17	COD (HR)	0 – 15000 mg/l	1	TT
PLPar107	Colour (Hazen/APHA)	15 – 500 mg/l	1	--
PLPar18	Copper	0 – 5 mg/l	0.01	T
PLPar19	Copper	0 – 5 mg/l	0.01	P
PLPar158	Cyanide	0.01 – 0.50 mg/l	0.01	P + L
PLPar20	Cyanuric Acid	2 – 160 mg/l	1	T
PLPar65	DBNPA	0 – 13 mg/l	0.01	L
PLPar82	DBNPA	0 – 13 mg/l	0.01	T
PLPar21	DEHA	20 – 1000 µg/l	1.0	L
PLPar163	Dissolved Oxygen	0 – 10 mg/l	0.1	L
PLPar70	Erythorbic Acid	0 – 3.5 mg/l	0.01	L
PLPar113	Fluorescein	0 – 500 µg/l	1	--
PLPar78	Hardness–Calcium	0 – 500 mg/l	1	T
PLPar166	Hardness–Calcium	0 – 500 mg/l	1	L

\*T = Tablets | L = Liquids | P = Powder | PP = Powder Pillow | TT = Tube Tests | O = Other Reagents



**PRIMELAB 2.0 – LIST OF PARAMETERS**

Item-Code	Parameter	Measurement Range	Resolution	Reagent*
PLPar9	Hardness–Calcium (HR)	50 – 1000 mg/l	1	T
PLPar56	Hardness–Total (LR)	2 – 50 mg/l	1	T
PLPar148	Hardness–Total (HR)	0 – 500 mg/l	1	L
PLPar57	Hardness–Total (HR)	20 – 500 mg/l	1	T
PLPar23	Hydrazine	5 – 600 µg/l	1	L
PLPar160	Hydrocarbons in Methanol (tank wash)	yes/no	1	--
PLPar66	Hydrogen Peroxide (LR)	0 – 3.8 mg/l	0,01	L
PLPar24	Hydrogen Peroxide (LR)	0 – 3.8 mg/l	0,01	T
PLPar25	Hydrogen Peroxide (HR)	0 – 200 mg/l	1	L
PLPar162	Hydrogen Peroxide (HR)	0 – 200 mg/l	1	T
PLPar109	DEWAN–50	0 – 300 mg/l	1	L
PLPar26	Hydroquinone	0 – 2.5 mg/l	0,01	L
PLPar27	Iodine	0 – 28 mg/l	0,01	T
PLPar67	Iodine	0 – 28 mg/l	0,01	L
PLPar28	Iron (LR)	0 – 1 mg/l	0,01	T
PLPar29	Iron (MR)	0 – 10 mg/l	0,01	P
PLPar127	Iron (MR) Ferrous	0 – 10 mg/l	0,01	P
PLPar30	Iron (HR)	0 – 30 mg/l	0,01	L
PLPar132	Iron total	0 – 3 mg/l	0,01	PP
PLPar171	Iron in Oil	20 – 450 mg/l	1	L + T
PLPar88	Isothiazolinone	0.0 – 10.0 mg/l	0,01	L
PLPar147	Legionella	60 – 10 <sup>6</sup> cfu	1	O
PLPar93	Magnesium	0 – 100 mg/l	1	T

\*T = Tablets | L = Liquids | P = Powder | PP = Powder Pillow | TT = Tube Tests | O = Other Reagents

Item-Code	Parameter	Measurement Range	Resolution	Reagent*
PLPar161	Manganese VLR	0 – 0.030 mg/l	0.001	T
PLPar31	Manganese	0.2 – 5 mg/l	0.1	PP
PLPar69	Methylethylketoxime	0 – 4.1 mg/l	0.01	L
PLPar96	Molybdate (LR)	0 – 15 mg/l	0.01	T
PLPar33	Molybdate (HR)	5 – 200 mg/l	0.1	L
PLPar32	Molybdate	1 – 100 mg/l	0.1	T
PLPar134	Molybdate (HR)	0 – 40 mg/l	0.1	P
PLPar90	Nickel (HR)	0 – 7 mg/l	0.1	T
PLPar100	Nickel (HR)	0 – 10 mg/l	0.1	L
PLPar34	Nitrate	0.00 – 11.00 mg/l	0.1	P + L
PLPar169	Nitrate (HR)	1 – 100 mg/l	1	PP
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	0.01	PP
PLPar36	Nitrite (HR)	5 – 200 mg/l	0.1	P
PLPar97	Nitrite (HR)	0 – 1500 mg/l	1	T
PLPar101	Nitrite (HR)	0 – 3000 mg/l	1	L
PLPar151	Nitrogen–Total (LR)	0.5 – 25 mg/l	0.1	TT + PP
PLPar152	Nitrogen–Total (HR)	5 – 150 mg/l	1	TT + PP
PLPar37	Ozone	0 – 5.4 mg/l	0.01	T
PLPar92	Ozone	0 – 5.4 mg/l	0.1	L
PLPar164	Peracetic Acid (LR)	0.00 – 10.00 mg/l	0.01	T
PLPar165	Peracetic Acid (HR)	0 – 300 mg/l	1	T + PP
PLPar159	Permanganate Time Test in Methanol (tank wash)	0 – 100 %T	0.1	L
PLPar40	pH–value (LR)	5.2 – 6.8 pH	0.01	T





**PRIMELAB 2.0 – LIST OF PARAMETERS**

Item-Code	Parameter	Measurement Range	Resolution	Reagent*
PLPar38	pH-value (MR)	6.5 – 8.4 pH	0.01	T
PLPar39	pH-value (MR)	6.4 – 8.4 pH	0.01	L
PLPar41	pH-Universal	5 – 11 pH	0.1	T
PLPar42	pH-Universal	4 – 11 pH	0.1	L
PLPar98	Phenol	0 – 5 mg/l	0.01	T
PLPar43	PHMB	2 – 60 mg/l	1	T
PLPar44	Phosphate-ortho (LR)	0 – 4 mg/l	0.01	PP + T
PLPar45	Phosphate-ortho (LR)	0 – 4 mg/l	0.01	L + P
PLPar46	Phosphate-ortho (HR)	0 – 80 mg/l	0.1	PP + T
PLPar47	Phosphate-ortho (HR)	0 – 100 mg/l	0.1	L
PLPar87	Phosphonate	0 – 20 mg/l	0.01	P + L
PLPar110	Phosphonate	0 – 20 mg/l	0.01	T
PLPar153	Phosphorus-Total (LR)	0 – 2.6 mg/l	0.01	TT + PP + T + P + L
PLPar154	Phosphorus-Total (HR)	0 – 52 mg/l	0.1	TT + PP + T + P + L
PLPar85	Polyacrylate	1 – 30 mg/l	0.1	L
PLPar48	Potassium	0.7 – 12 mg/l	0.1	T
PLPar111	PTSA	0 – 1000 µg/l	1	--
PLPar83	QAC	25 – 150 mg/l	1	PP + T
PLPar173	Sanosil	0 – 400 mg/l	0.01	L
PLPar49	Silica (LR)	0 – 5 mg/l	0.01	L + P
PLPar50	Silica (HR)	0 – 100 mg/l	1	P
PLPar51	Sodium Hypochlorite	0.2 – 40 %	0.1	T + PP
PLPar68	Sodium Hypochlorite	0.2 – 40 %	0.1	L

Item-Code	Parameter	Measurement Range	Resolution	Reagent*
PLPar54	Sulphate	5 – 100 mg/l	1	PP
PLPar55	Sulphate	5 – 100 mg/l	1	P
PLPar52	Sulphide	0.04 – 0.5 mg/l	0.01	T
PLPar140	Sulphide	0 – 0.7 mg/l	0.01	L
PLPar53	Sulphite (LR)	0 – 10 mg/l	0.1	T
PLPar105	Sulphite (HR)	0 – 300 mg/l	0.1	T
PLPar 174	Sulphite (HR)	0 – 200 mg/l	0.1	L
PLPar81	Suspended solids	0 – 750 mg/l	1	--
PLPar91	Tannic acid	0 – 150 mg/l	0.1	L
PLPar157	Tracer	0 – 1000 µg/l	1	--
PLPar170	Transmission / Absorption (all wavelengths). Wavelengths in nm: 410, 435, 460, 485, 510, 535, 560, 585, 610, 645, 680, 705, 730, 760, 810, 860, 900, 940	0 – 100 %	0.1	--
PLPar59	Turbidity (FAU)	20 – 1000 FAU	1	--
PLPar112	Turbidity (NTU)	0.5 – 1100 NTU	0.1	--
PLPar120	Urea	0.1 – 2.5 mg/l	0.1	L + PP
PLPar150	Urea	0.2 – 5.0 mg/l	0.2	L + PP
PLPar156	Watch Products	0 – 1000 µg/l	1	--
PLPar62	Zinc	0 – 1 mg/l	0.01	T

\*T = Tablets | L = Liquids | P = Powder | PP = Powder Pillow | TT = Tube Tests | O = Other Reagents



Find the latest parameter list under  
<https://primelab.org/parameter/list>





**PRIMELAB 2.0 – ACCESSORIES**

Vials and measuring cups	
Item-Code	Item Description
PLSp-Kv2410-10	Set of 10 x 24mm (10ml) round glass vials with lid / light shield integrated in lid
PLSp-Kv1610-10	Set of 10 x 16mm (10ml) round glass vials with lid
PLSp-Kv1-100	Set of 100 x 1ml semi-micro-vials (rectangle)
PLSp-LG-ELF10	Set of 10 x 60ml measuring cup with red lid
SVZdev100	100ml plastic measuring cup
PLSp-GlsBot50ml	50ml glass-bottle with stopper

Filter utilities	
Item-Code	Item Description
PLSp-InjFil-1	Luer lock syringe (20ml) with threat for filter holder
PLSp-Filtad1	Filter holder for PLSp-InjFil-1 luer lock syringe
PLSp-FiltGFC	25mm GF/C Filter. Bottle of 50 filter papers
PLSp-Filt45M	25mm 0.45 µm filter. Bottle of 50 filter papers

Dosing equipment	
Item-Code	Item Description
PLSp-inj1	Graduated Plastic Syringe (10ml)
PLSp-inj03	Graduated Plastic Syringe (3ml)
PLSp-inj01	Graduated Plastic Syringe (1ml)
PLSp-PIP10ml	10 ml pipette (variable volume 1 – 10ml)
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PLSp-PIP1ml	1 ml pipette (variable volume 0.1 – 1ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette
PLSp-PIP01ml	0.1 ml pipette (variable volume 0.01 – 0.1ml)
PLSp-PIP01ml-tips10	10 x tips for PLSp-PIP01ml pipette
PL2Sp-Vollpip2ml	2ml glass bulb-pipette
PL2Sp-Vollpip2ml-Ball	Rubber ball for bulb-pipette

Heat blocks and electronics	
Item-Code	Item Description
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
PLSp-CODheatblock-T	Heat block for 12 x 16mm vials. Temp. 70, 100, 120, 148, 150 and 160°C. Heating times: 30 min, 60 min, 90 min, 120 min; 200 – 240 VAC 50Hz; Maximum 350 W
PLSp-BlTD-1	Bluetooth® USB dongle (to enable Bluetooth® on any Windows-PC)
PLSp2-GSM	4G*-modem (USB-Type-C)
PLSp2-USBa-c	USB-connector (type A to type C)
PLSp2-USBhuba	USB-Hub (Type C and Type A)
PLSp2-USBcable	USB-cable (Type A on one end / type C at the other end)
PLSp2-chargeEU	PrimeLab 2.0 charger with EU plus
PLSp2-UK/AUS/US	UK/AUS/US plug for PrimeLab 2.0 charger





**PRIMELAB 2.0 – ACCESSORIES**

Reference standards	
Item-Code	Item Description
PL2Sp-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.
PL2Sp-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.
PL2Sp-RefPTSA	3 x Sealed round (24mm) glass-vial (values: 0 µg/l / 100 µg/l / 400 µg/l)
PL2Sp-RefFLSC	2 x 100ml reference standards 100 µg/l Fluorescein, deionized water
PL2Sp-RefTRB	3 x 10ml reference standards 0.5 NTU, 10 NTU, 1000

Other Accessories	
Item-Code	Item Description
PLSp2-Ad16/Ad1	PrimeLab 2.0 vial adapter for 16mm glass vials / 1ml Eppendorf vials
PLSp-mft-1	Micro fiber cloth 13x13 cm for PrimeLab vials
PLSp2-carr2	Large PrimeLab 2.0 plastic carrying case
PLSp2-Alucase	Aluminium trolley with foam inserts for PrimeLab 2.0 plus accessories

Stirring rods / cleaning brushes	
Item-Code	Item Description
SPstr10	Set of 10 x 13 cm plastic stirring rods
PLSp-str10	Set of 10 x 10.5 cm plastic stirring rods
SPclb10	Set of 10 x 9.5 cm vial-cleaning brushes

Ask for our large variety of check-standards (coloured epoxy resin) in sealed 24mm glass vials.

**++ Available for you soon ++**

**PRIMELAB 2.0 – ELECTRODES**

Item-Code	Product Name	Description	Temp. Rang	Range	Temp.. Probe
PL2Sp-ElpHPCATC	WID pH Lab/Field 312-1	<b>Plastic Body pH Electrode.</b> Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH>12), erosive solutions, or constant testing in high temprature (> 60 °C)). Non refillable.	0 – 80 °C	(0 – 14) pH	NTC 30kΩ
PL2Sp-ElpHGLATC	WID pH Lab/Field 822-1	<b>Routine Sealed Glass Body pH Electrode.</b> Designed for general water solutions' pH measurement in scientific research, environmental monitoring, and quality control. Ideal for both lab and in-field use. (Not suitable for strong base solution (pH > 12), erosive solutions, or constant testing in high temprature (> 60 °C)). Non refillable.	0 – 80 °C	(0 – 14) pH	NTC 30kΩ
PL2Sp-ElpHGLrefATC	WID pH Lab 324-1	<b>Refillable Glass pH Electrode.</b> Designed for general water solutions, TRIS Buffer compatible. Suitable applicaitons: hydroponics, pools and spas,environmental monitoring, aquaculture, aquariums, education, general purpose labtest, body fluid, Tris Buffer, Beverage, Wine, Beer, Salt Water, High Temperature Solutions (up to 100 °C).	0 – 100 °C	(0 – 14) pH	NTC 30kΩ
PL2Sp-EIORPPCATC	WID ORP Lab/Field 422-1	<b>Plastic Body ORP Electrode</b> for faster respond. The gel inner reference solution does not need to be refilled. This electrode is designed for testing in general water solutions both in-lab or in-field. Comes with Φ 0.8*3 mm platinum disc.	0 – 80 °C	±2000 mV	NO
PL2Sp-EIECLRGL	WID CON 361-01-1	<b>Glass Body – Pure Water Conductivity Electrode.</b> Conductivity Electrode (K = 0.1) is designed for purified water and ultra-pure water conductivity measurements. Electrode size: 7*18 mm platinum.	0 – 80 °C	0 ~ 200 μS/cm	NTC 30kΩ
PL2Sp-EIECHRGLATC	WID CON 351-1-1	<b>Glass Body – Conductivity Electrode (K=1.0).</b> Designed for high-accuracy laboratory conductivity measurements. Its cavity structure and platinum chip sensor design enhance the accuracy and stability of conductivity measurement in the range of 0 to 200mS/cm. The glass body is resistant to all kinds of general chemical corrosion. Electrode size: 5*7 mm platinum plate/ 2 pole.	0 – 80°C	0 – 200 mS/cm	NTC 30kΩ
PL2Sp-EIECLRPCATC	WID CON 341-1-1	<b>Plastic Body – Conductivity Electrode.</b> Designed for high accuracy in a wide range of conductivity measurements (0 to 200 mS/cm). (K = 1.0).	0 – 50°C	0 – 200 mS/cm	NTC 30kΩ
PL2Sp-EIECHRPCATC	WID CON 341-10-1	<b>Plastic Body – Conductivity Electrode.</b> Designed for high-range (K = 10) conductivity measurement . Electrode size: 5*5 mm platinum ring/ 2 pole.	0 – 80°C	20 – 2000 mS/cm	NTC 30kΩ



PrimeLab 2.0 has the option to connect test probes, such as those used for pH, EC, TDS, Salinity, ORP and Temperature. By connecting probes to the PrimeLab 2.0, the photometer manages the probe, obtaining readings which can be stored under the user-defined sampling points and synchronized to the LabCOM®-Cloud (optional).

PrimeLab 2.0 and electrodes connection is made by a USB-Type C cable with an A/D-exchange-box link. PrimeLab 2.0 uses highest quality probes.



# PRIMELAB 2.0 PRE-SET-KITS

COMPLETE PACKAGES INCLUDING REAGENTS AND ACCESSORIES

PARAMETERS/REAGENTS AND ACCESSORIES CAN BE ADDED OR REMOVED AS REQUIRED



- DRINKING WATER
- WASTE WATER
- MARINE
- BOILER WATER
- COOLING WATER
- POOLS
- FOOD PROCESSING

The Water-i.d.® PrimeLab 2.0 Pre-Set-Kits offer complete solutions which include all reagents and accessories for testing the water according to a special application.

Combining the accuracy of the PrimeLab 2.0 photometer with suitable reagents enable the user to be fully equipped for accurate water testing within the framework of the assigned industry.

Each kit can be extended to more than 140 parameters at any time by ordering an activation code. Below you may find a listing of all kits.



## OVERVIEW

<b>Legionella Kit</b>	40	<b>Pool Water Kit</b>	48
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**PRIMELAB 2.0 LEGIONELLA KIT  
(LEGIONELLA SPP. IN 1 HOUR)**

Please find more information on Page 68 – 73, chapter Legionella Test-Kits.



Recommended photometer

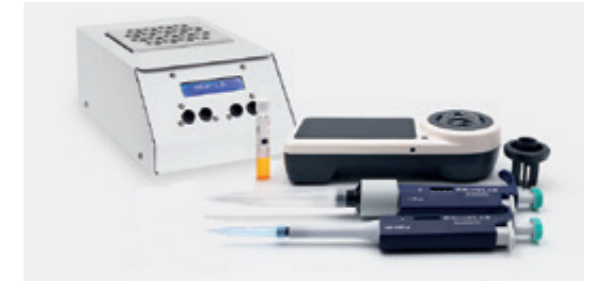
Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Kit	Description	Measurement Range
LGP-10	Basic Kit	Auto-Filtration   max. 9 tests*: This Basic Kit is suitable if Legionella tests are carried out irregularly and contains reagents for up to 9 tests.	60 – 10 <sup>6</sup> CFU Legionella spp.
LGP-100	Professional Kit	Auto-filtration   max 99 tests*: The Professional Legionella Kit is a self-contained, portable laboratory with all accessories to quickly perform up to 19 tests in parallel and contains reagents for up to 99 tests. Suitable for regular testing.	60 – 10 <sup>6</sup> CFU Legionella spp.

\*No matter if just one or many Legionella tests are performed at a time/ in parallel, only one set of reagents is needed to perform a CONTROL/ZERO. By that, a Legipid-kit "10" is good for at least 5 tests (only one test at a time) or a maximum of 9 tests (if 9 tests are performed in parallel). Nevertheless, one LG-MP4-rack (cuvette holder with magnet) can handle up to 3 tests + 1 CONTROL. "Basic Kit" provides 1 x LG-MP4-rack (max 3 tests in parallel, "Professional kit" provides 5 x LG-MP4-rack (max 19 tests in parallel).

**PRIMELAB 2.0 COD KIT  
(CHEMICAL OXYGEN DEMAND)**



Recommended photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar79	COD (LR)	0 – 150 mg/l	prepared vials
PLPar80	COD (MR)	0 – 1500 mg/l	prepared vials
PLPar17	COD (HR)	0 – 15000 mg/l	prepared vials

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-CODheatblock-E	Heat block for 8 x 16mm vials. Temp. 70, 100, 120, 150 and 160°C. Digital reading, 110 – 130 V / 50 – 60 Hz., 220 – 240 V / 50 – 60 Hz, automatic voltage change. 140W
PL2Sp-Adk16	PrimeLab 2.0 adapter to use 16mm glass vials
PLSp-PIP10ml	10ml pipette (variable volume 1 – 10ml)
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PLSp-PIP1ml	1ml pipette (variable volume 0.1 – 1ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette

**PRIMELAB 2.0  
WASTE WATER KIT**



Recommended photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar155	Ammonia (HR)	1 – 50 mg/l	prepared vials + powder
PLPar79	COD (LR)	0 – 150 mg/l	prepared vials
PLPar80	COD (MR)	0 – 1500 mg/l	prepared vials
PLPar17	COD (HR)	0 – 15000 mg/l	prepared vials
PLPar169	Nitrate (HR)	1 – 100 mg/l	powder-liquid
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	tablet
PLPar152	Nitrogen-Total (HR)	5 – 150 mg/l	prepared vials
PLPar45	Phosphosphate-ortho (LR)	0 – 4 mg/l	powder-liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-CODheatblock-E	Heat block for 8 x 16mm vials. Temp. 70, 100, 120, 150 and 160°C. Digital reading, 110 – 130 V / 50 – 60 Hz., 220 – 240 V / 50 – 60 Hz, automatic voltage change. 140W
PL2Sp-Adk16	PrimeLab 2.0 adapter to use 16mm glass vials
PLSp-PIP10ml	10ml pipette (variable volume 1 – 10ml)
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette
PLSp-PIP1ml	1ml pipette (variable volume 0.1 – 1ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette

**PRIMELAB 2.0  
DRINKING WATER KIT**



Recommended photometer

Item-Code	Kit
PL02B-TRB	PrimeLab 2.0 Multitest Photometer: Starter-Kit WITH Turbidity (NTU) contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x grey plastic carrying-case with foam insert 1 x 1 – 10ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5 / 10 / 1000 NTU *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar121	Alkalinity-M (HR)	0 – 500 mg/	tablet
PLPar6	Alkalinity-P	5 – 300 mg/l	tablet
PLPar4	Aluminium	0 – 0.3 mg/l	tablet
PLPar7	Boron	0 – 2 mg/l	tablet
PLPar124	Chloride	0 – 100 mg/l	liquid
PLPar11	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	tablet
PLPar94	Chromium	0 – 2.2 mg/l	tablet
PLPar107	Colour (Hazen/APHA)	15 – 500 mg/l (Pt-Co)	---
PLPar18	Copper	0 – 5 mg/l	tablet
PLPar158	Cyanide	0.01 – 0.50 mg/l	powder-liquid
PLPar180	Fluoride (SPADNS)	0 – 2 mg/l	liquid

Continued →

**PRIMELAB 2.0  
DRINKING WATER KIT**

← Continued

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar56/57	Hardness-Total (LR/HR)	2 (20) – 50 (500) mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet
PLPar31	Manganese	0.2 – 5 mg/l	tablet
PLPar169	Nitrate (HR)	1 – 100 mg/l	powder
PLPar38	pH-value (MR)	6.5 – 8.4 pH	tablet
PLPar54	Sulphate	5 – 100 mg/l	tablet
PLPar112	Turbidity (NTU)	0.5 – 1100 NTU	---
PLPar62	Zinc	0 – 1 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25mm filter
PLSp-Filt45M	25mm 0.45 micron filter paper. Can of 50 filter papers
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette

**PRIMELAB 2.0  
BOILER WATER KIT**



Recommended photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar6	Alkalinity-P	5 – 300 mg/l	tablet
PLPar124	Chloride	0 – 100 mg/l	liquid
PLPar56/57	Hardness-Total (LR/HR)	2 (20) – 50 (500) mg/l	tablet
PLPar40	pH-value (LR)	5.2 – 6.8 pH	tablet
PLPar46	Phosphate-ortho	0 – 80 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25mm filter
PLSp-FiltGFC	25mm GF/C filter paper. Can of 50 filter papers



**PRIMELAB 2.0  
COOLING WATER KIT**



Recommended photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar8	Bromine	0 – 18 mg/l	tablet
PLPar10	Chloride	0.5 – 25 mg/l	tablet
PLPar78	Hardness-Calcium	0 – 500 mg/l	tablet
PLPar56/57	Hardness-Total (LR/HR)	2 (20) – 50 (500) mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet
PLPar30	Iron (HR)	0 – 30 mg/l	liquid
PLPar147	Legionella	60 – 1000000 cfu/l	liquid
PLPar134	Molybdate (HR)	0 – 40mg/l	powder
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	tablet
PLPar40	pH-value (LR)	5.2 – 6.8 pH	tablet
PLPar41	pH-Universal	5 – 11 pH	tablet
PLPar110	Phosphonate	0 – 20 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25mm filter
PLSp-Filt45M	25mm 0.45 micron filter paper. Can of 50 filter papers
PLSp-PIP1ml	1ml pipette (variable volume 0.1 – 1ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette
PLSp-FiltGFC	25mm GF/C filter papers. Plastic can with 50 filter papers.

**PRIMELAB 2.0  
POOL WATER KIT**



Recommended photometer

Item-Code	Kit
PL02B-TRB	PrimeLab 2.0 Multitest Photometer: Starter-Kit WITH Turbidity (NTU) contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x grey plastic carrying-case with foam insert 1 x 1 – 10ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5 / 10 / 1000 NTU *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar1	Active Oxygen	0 – 40 mg/l	table
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar8	Bromine	0 – 18 mg/l	tablet
PLPar95	Chloramines	0.00 – 8.00 mg/l	tablet
PLPar10	Chloride	0.5 – 25 mg/l	tablet
PLPar11	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	tablet
PLPar16	Chlorine Dioxide	0 – 15 mg/l	tablet
PLPar18	Copper	0 – 5 mg/l	---
PLPar20	Cyanuric Acid	2 – 160 mg/l	tablet
PLPar78	Hardness-Calcium	0 – 500 mg/	powder-liquid
PLPar148	Hardness-Total (HR)	0 – 500 mg/l	liquid
PLPar24	Hydrogen Peroxide (LR)	0 – 3.8 mg/l	tablet
PLPar162	Hydrogen Peroxide (HR)	0 – 200 mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar37	Ozone	0 – 5.4 mg/l	tablet
PLPar38	pH-value (MR)	6.5 – 8.4	tablet
PLPar43	PHMB	2 – 60 mg/l	tablet
PLPar44	Phosphate-ortho (LR)	0 – 4 mg/l	tablet
PLPar112	Turbidity (NTU)	0.5 – 1100 NTU	---
PLPar120	Urea	0.1 – 2.5 mg/l	tablet + liquid

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25mm filter
PLSp-Filt45M	25mm 0.45 micron filter paper. Can of 50 filter papers

**PRIMELAB 2.0  
MARINE PWT KIT**



Recommended photometer

Item-Code	Kit
PL02B-TRB	PrimeLab 2.0 Multitest Photometer: Starter-Kit WITH Turbidity (NTU) contains: 1 x PrimeLab 2.0 Multitest Photometer 1 x grey plastic carrying-case with foam insert 1 x 1 – 10ml professional lab pipette with 2 tips 1 x NTU-Turbidity calibration kit. Sealed glass vials with 0.5 / 10 / 1000 NTU *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
Item code	Parameter	Measuring range	Type of reagent
PLPar121	Alkalinity-M (HR)	0 – 500 mg/	tablet
PLPar6	Alkalinity-P	5 – 300 mg/l	tablet
PLPar4	Aluminium	0 – 0.3 mg/l	tablet
HAT-CHLTest	Chloride	30 – 600 mg/l	test stripes; external test
PLPar11	Chlorine (free-combined-total)	0.00 – 8.00 mg/l	tablet
PLPar107	Colour (Hazen/APHA)	15 – 500 mg/l (Pt-Co)	--
PLPar18	Copper	0 – 5 mg/l	tablet
PLPar56/57	Hardness-Total (LR/HR)	2(20) – 50(500) mg/l	tablet
PLPar28	Iron (LR)	0 – 1 mg/l	tablet
PLPar31	Manganese	0.2 – 5 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar169	Nitrate (HR)	1 – 100 mg/l	powder
PLPar38	pH-value (MR)	6.5 – 8.4 pH	tablet
PLPar54	Sulphate	5 – 100 mg/l	tablet
PLPar62	Zinc	0 – 1 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25mm filter
PLSp-Filt45M	25mm 0.45 micron filter paper. Can of 50 filter papers
PLSp-PIP10ml-tips10	10 x tips for PLSp-PIP10ml pipette

For more detailed information, please refer to our separate marine catalogue.



**PRIMELAB 2.0  
MARINE BOILER WATER KIT**



Recommended photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar6	Alkalinity-P	5 – 300 mg/l	tablet
HAT-CHLTest	Chloride	30 – 600 mg/l	test stripes; external test
PLPar56/57	Hardness-Total (LR/HR)	2(20) – 50(500) mg/l	tablet
PLPar40	pH-value (LR)	5.2 – 6.8 pH	tablet
PLPar46	Phosphate-ortho	0 – 80 mg/l	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25mm filter
PLSp-FiltGFC	25mm GF/C filter paper. Pack of 50 filter papers

**PRIMELAB 2.0  
MARINE COOLING WATER KIT**



Recommended photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

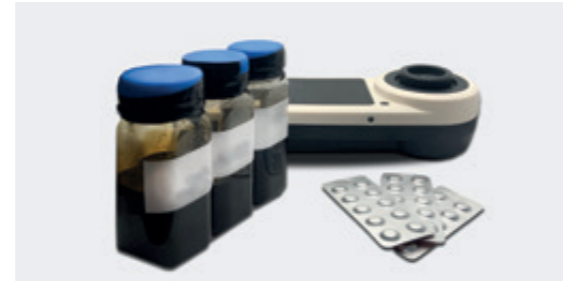
Item-Code.	Parameter	Measurement Range	Type Of Reagent
PLPar5	Alkalinity-M	5 – 200 mg/l	tablet
PLPar10	Chloride	0.5 – 25 mg/l	tablet
PLPar78	Hardness-Calcium	0 – 500 mg/l	tablet
PLPar56/57	Hardness-Total (LR/HR)	2(20) – 50(500) mg/l	tablet
WIDmar HSRAEU	Legionella	60 – 1000000 cfu/l	test panel, external test
PLPar35	Nitrite (LR)	0 – 0.5 mg/l	tablet
PLPar40	pH-value (LR)	5.2 – 6.8 pH	tablet
PLPar41	pH-Universal	5 – 11 pH	tablet

Can be extended to more than 140 parameters at any time by ordering an activation code.

Recommended accessories

Item-Code	Accessories
PLSp-InjFil-1	Luer lock syringe (20ml) with adapter for filter holder (PLSp-Filtad1)
PLSp-Filtad1	Filter holder to be attached to PLSp-InjFil-1 / to hold 25mm filter
PLSp-Filt45M	25mm 0.45 micron filter paper. Can of 50 filter papers
PLSp-PIP1ml	1ml pipette (variable volume 0.1 – 1ml)
PLSp-PIP1ml-tips10	10 x tips for PLSp-PIP1ml pipette

**PRIMELAB 2.0  
MARINE SDA KIT**



Recommended photometer

Item-Code	Kit
PL02B	PrimeLab 2.0 Multitest Photometer Starter-Kit contains: 1 x grey plastic carrying-case with foam insert 1 x PrimeLab 2.0 Multitest Photometer *Complete accessories and description see on page 10 – 11

Recommended reagents / parameters

Item-Code	Parameter	Measurement Range	Type Of Reagent
PLPar172	Iron-in-Oil [Fe <sup>2+</sup> ]	20 – 450 mg/l	tablet

For more detailed information, please refer to our seperate marine catalogue.



# PoolLAB 2.0<sup>®</sup>

## PHOTOMETER



MEASURES 3 PARAMETERS IN PARALLEL

24 PARAMETERS

FREE APP, SOFTWARE & CLOUD

4-WAVELENGTHS (460|525|565|625)

BLUETOOTH<sup>®</sup> & WIFI EQUIPPED

TABLETS, LIQUIDS & POWDER REAGENTS

IP68 WATERPROOF

FIXED BUT CHANGEABLE CUVETTE



- POOLS
- DRINKING WATER
- WASTE WATER
- BOILER WATER
- COOLING WATER
- FOOD PROCESSING

The PoolLab<sup>®</sup> 2.0 is the perfect solution for professional water analysis of pools and spas. The fixed but exchangeable triple measurement-cuvette allows quick sampling by simply dipping the IP68 waterproof PoolLab<sup>®</sup> 2.0 into the water.

9 keys give direct access to the ZERO operation (only required 1 x per measurement batch) and to the 24 different pool water parameters. The PoolLab<sup>®</sup> 2.0 has both Bluetooth<sup>®</sup> and WiFi built-in to either actively connect to the free LabCom<sup>®</sup> software and app, or to automatically synchronize data with the LabCOM<sup>®</sup> Cloud.

Test results are always assigned to the sampling points individually created by the user. In the LabCOM<sup>®</sup> software and app, one can, among other things, print reports, calculate the active chlorine content and even receive dosage recommendations based on individually entered water treatment products. LSI index calculation is also offered via the software and app.

A free cloud service – with which the PoolLab<sup>®</sup> 2.0

can automatically synchronize data via WiFi – ensures that the software and the app always work with the same database.



Basic Kit (see picture above):



- 1 x PoolLab<sup>®</sup> 2.0 with WiFi, Bluetooth<sup>®</sup>, IP68 waterproof
- 1 x Triple measurement cuvette
- 1 x Light protection cap
- 1 x Plastic stirring rod

- 1 x 10ml syringe
- 3 x AA batteries
- 1 x Printed user manual
- 1 x Nylon bag
- Free access to LabCOM<sup>®</sup> software, app & cloud



Parameters:

- |                            |                     |                  |
|----------------------------|---------------------|------------------|
| Aktive Oxygen (MPS)*       | Chlorine Dioxide**  | PHMB*            |
| Alkalinity                 | Copper*             | Phosphate (LR)*  |
| Aluminum*                  | Cyanuric Acid       | Phosphate (HR)*  |
| Ammonia*                   | Hyd. Peroxide (LR)* | Potassium**      |
| Bromine**                  | Hyd. Peroxide (HR)* | QUAT*            |
| Calcium Hardness           | Iron LR*            | Sulphate*        |
| Chloramines*               | Nitrate*            | Total Hardness** |
| Chlorine (fCl   cCl   tCl) | Ozone**             | Urea*            |
| Chlorine (HR)*             | pH                  | Zinc*            |



\*requires reagents not included in basic kit \*\*requires Glycine reagent tablets if chlorine is present Glycine reagent tablets are not included in the basic kit