

PRIMELAB 2.0

THE ULTIMATE PHOTOMETER





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PRIMELAB 2.0

INTRODUCTION



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 and barcodes to identify accounts (sampling points or locations) set up by the user and to identify reagents with QR code/barcode on the packaging.

Advantages of these options are:

- Scanning the QR code/barcode of a sampling site ensures that you always link the test results you receive to the correct account. This shortens the testing process as the associated account is automatically selected.
- Scanning QR codes/barcodes 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.

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. The 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



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.



18 WAVELENGTHS 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

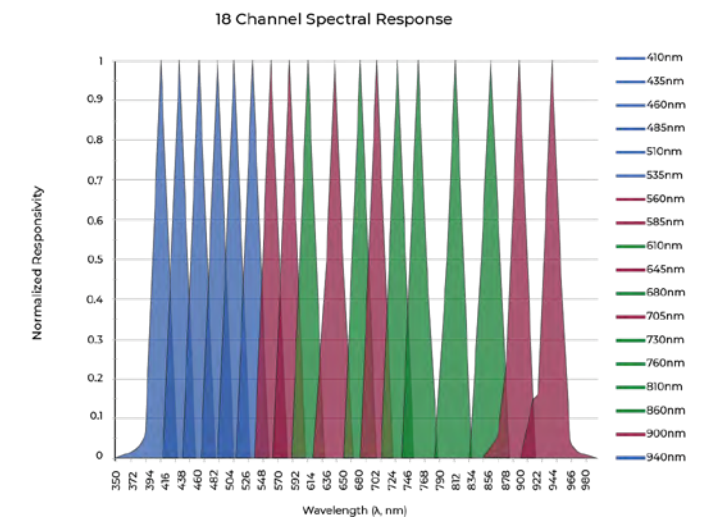


Whilst normal photometers perform tests on one selected wavelength only, the PrimeLab 2.0 receives data from 18 different wavelengths with each measurement, covering the key parts of UV and IR section of the spectrum and the full VIS range.

3 sensors with 6 wavelengths each are connected to each other. Correspondent LEDs are set up at 180° as well as at 90° to enable NTU-Turbidity, PTSA and Fluorescein measurements as well. Very narrow peaks between 390 and 950 nm allow utmost accurate readings, similar to the performance of a spectrophotometer.

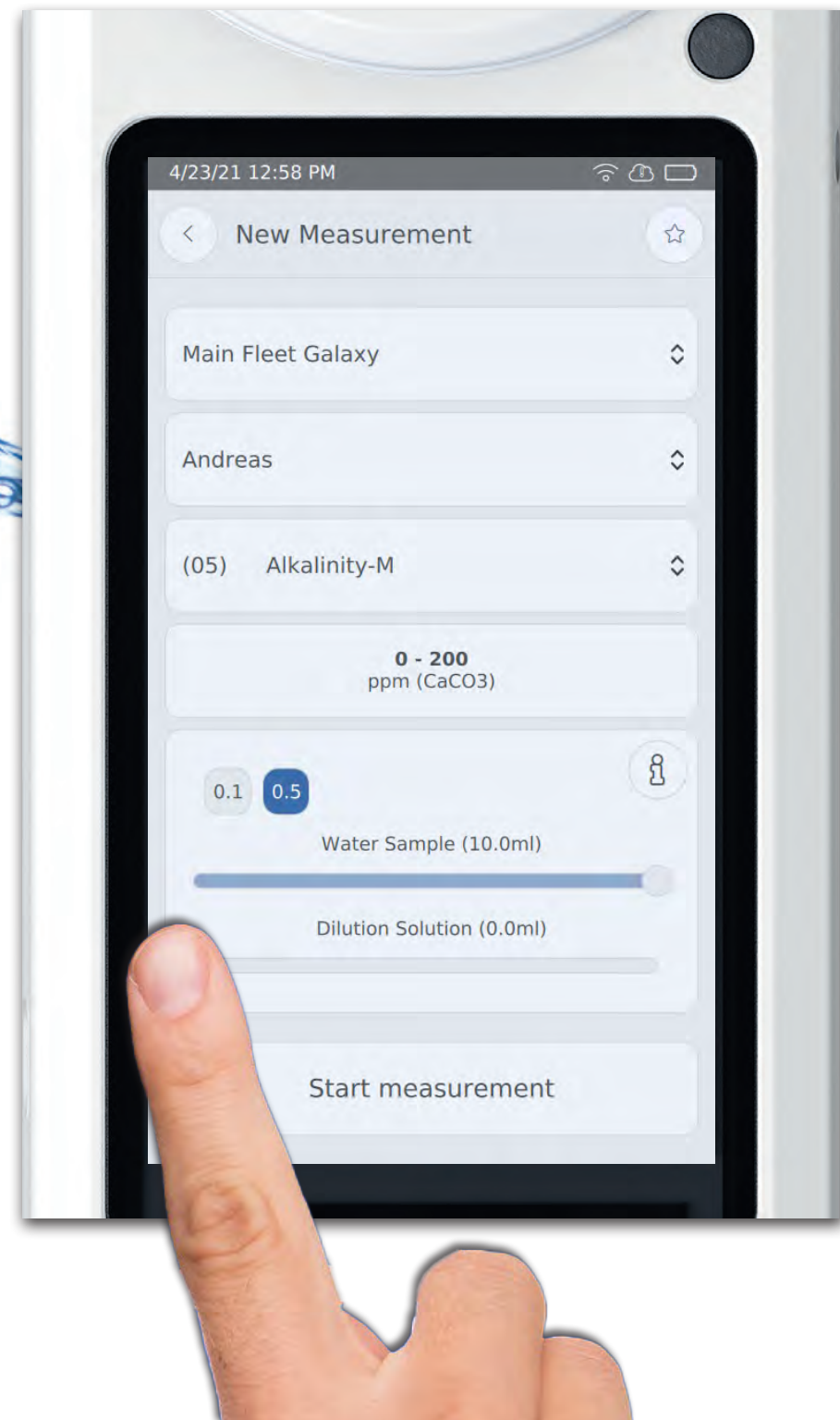
The highly professional PrimeLab 2.0 firmware can interpolate between the different wavelength readings, while the parameter curves are set to use multiple wavelengths to obtain the most accurate test results.

The built in SmartChamber has 3 PCBs, connected to each other. The MASTER PCB receives LED signals from either 180° (direct) or 90° (indirect), required for NTU-Turbidity and water samples which need to be excited, such as for PTSA, Fluorescein or Plankton.



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

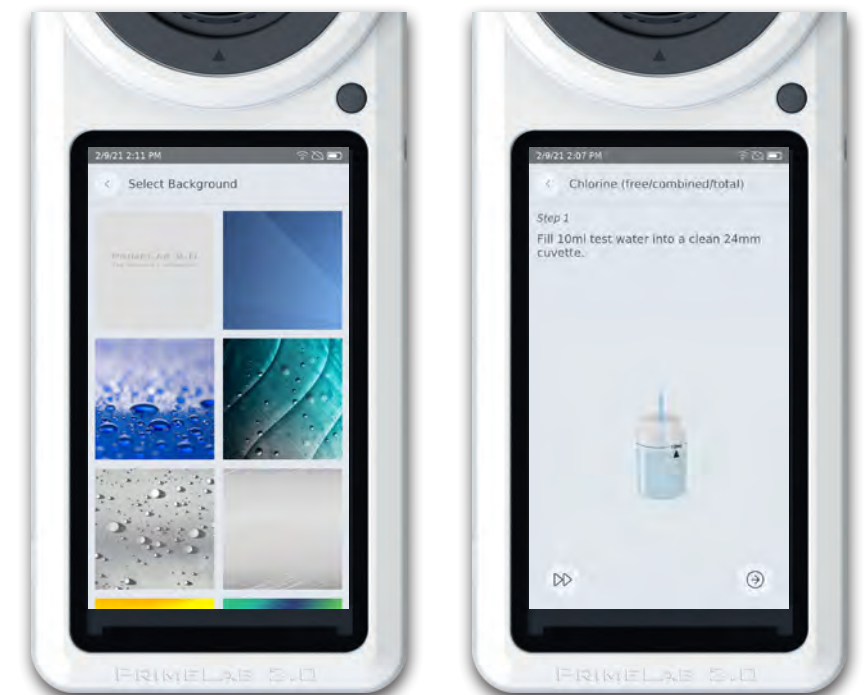


The PrimeLab 2.0 features a state-of-the-art 5.5" colour HD touch display.

The large display gives a perfect overview of all basic info, 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.

With the large 5.5" display, by using the WiFi Hotspot of your phone, all data can be managed easily on-board the PrimeLab 2.0.



++ Available in 2022 ++

PRIMELAB 2.0 – ELECTRODES

Item No.	Product Name	Description	Temp. Rang	Range	Temp.. Probe
WIDSensor Lab/Field 312-1	PC Body pH Electrode	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), corrosive solutions, or constant testing in high temprature (>60°C)).	0 ~ 80 °C	(0 – 14) pH	NTC 30kΩ
WIDSensor LabField 822-1	Routine Sealed Glass Body pH Electrode	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), corrosive solutions, or constant testing in high temprature (>60°C)).	0 ~ 80 °C	(0 – 14) pH	NTC 30kΩ
WIDSensor LAB 324-1	Routine Refillable Glass pH Electrode	Electrode for General Water Solutions, TRIS Buffer Compatible. Suitable Applicaitons: hydroponics, pools and spas, environ-mental monitoring, aquaculture, aquariums, education, gene-ral purpose labtest, body fluid, Tris Buffer, Beverage, Wine, Beer, Salt Water, High Temperature Solutions (up to 100°C).	-5 ~ 100 °C	(0 – 14) pH	NTC 30kΩ
WIDSensor Lab/Field 422-1	PC Body ORP Electrode 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 0.8×3mm platinum disc.	0 ~ 80 °C	±2000mV	NO
WIDSensor CON 361-01-1	Glass Body – Pure Water Conductivity Electrode	Conductivity Electrode (K=0.1) is designed for purified water and ultra-pure water conductivity measurements. Electrode size: 7×18mm platinum.	--	0 ~ 200μS/cm	NTC 30kΩ
WIDSensor CON 351-1-1	Glass Body – Conductivity Electrode	Conductivity Electrode (K=1.0) is 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: 5×7mm platinum plate/ 2 pole.	0 to 50°C	0 – 200mS/cm	NTC 30kΩ
WIDSensor CON 341-1-1	Plastic Body – Conductivity Electrode	Designed for high accuracy in a wide range of conductivity measurements (0 to 200 mS/cm) (K=1.0).	0 to 50°C	0 – 200mS/cm	NTC 30kΩ
WIDSensor CON 341-10-1	Plastic Body – Conductivity Electrode	Electrode is designed for high-range (K=10)conductivity measurement . Electrode size: 5×5mm platinum ring/ 2 pole.	0 ~ 80°C	20 – 2000 mS/cm	NTC 30kΩ



The PrimeLab 2.0 has the option to connect test probes, such as those used for pH, EC, TDS, Salinity, ORP and Tem-perature. When connecting probes to the PrimeLab 2.0, the photometer manages the probe, obtaining readings which can be stored under the user-defined Accounts (water-sites) and synchronized to the LabCOM®-Cloud (optional).

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



ADAPTERS FOR DIFFERENT VIALS



Check out our
YouTube channel



The PrimeLab 2.0 utilises 24mm glass vials, 16mm glass vials and 1ml Eppendorf vials.

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 Eppendorf adapter.



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



Turn the adapter clockwise until you hear and feel the adapter click into place.



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

Lightshield for measuring with 16mm and Eppendorf vials



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 along with the PoolLab®, 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.

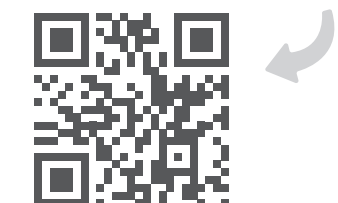
Also featured the admintool allows you to create rules, such as: needs to be tested daily or: test result must be in between... and gives warnings when these rules are broken. With the admin tool, the user also can grant access to other users, such as customers or headquarters, with full flexibility 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, accounts (water sites or locations) 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>



CONNECTING PRIMELAB 2.0



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. The PrimeLab 2.0 is the ultimate choice for connectivity!

WiFi, USB (Type C), 4G* and Bluetooth® are available for 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 or on a ship, cooling tower - in fact anywhere - data can easily and automatically be transferred.



PRIMELAB 2.0 CAMERA

AVAILABLE SOON!



Available for you soon!

With the built in camera, the PrimeLab 2.0 gives the option to scan barcodes and QR-codes to identify accounts (water sites or locations) set up by the user and to identify reagents with barcode/QR-code on the package. The advantages of this options are significant:

1. Scanning the barcode/QR-code of a water site/location ensures that you

always connect the test results obtained to the right account. Rapidly reducing the test process as the related account will be selected automatically, ready for the next measurement.

2. Scanning barcodes/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, ready for the next measurement.



LEGIONELLA TEST-KITS

KIT-FEATURES:

1-HOUR LEGIONELLA SPP. TEST

DETECTS ONLY LIVING LEGIONELLA

QUANTITATIVE 60-10⁶ CFU

AOAC CERTIFIED

ALL-IN-ONE CASE



Water-i.d.® introduces a new, patented method to test viable Legionella Sp. in just one hour without the need to let bacteria grow!

Legionella bacteria, in special Legionella pneumophila serogroup 1, is a harmful threat with a mortality rate of up to 30%. Once Legionella are inhaled (droplets in the air), they grow in human lungs and can cause Pontiac fever or even Pneumonia (Legionnaire's disease). The issue with current method (culture) is that it takes up to 14 days to let Legionella grow on a petri dish to be visible and countable, which is far too long to allow effective actions.

Legipid® on PrimeLab 2.0 takes a different approach:

As with the culture method, 1 litre of water is filtered to collect the Legionella. After the Legionella are released from the filter, a patented reagent is added that contains micro-bits with a magnetic core covered with an antibody. Only living Legionella spp. (no false positives!) are captured by the antibodies. After several washing steps, a colour tracer, also linked to an antibody, is added, which binds with

the Legionella spp. already bound to the micro-bit. This makes viable Legionella visible (pink colour) to be detected by the PrimeLab.

The PrimeLab measures the colour and converts it to 60 – 10⁶ Colony Founding Units (CFU). As the PrimeLab is connected via WiFi|USB|Bluetooth® to a free software and app, both of which are synchronised via the cloud, reporting is very easy. In addition, the PrimeLab can perform more than 140 different parameter methods from ammonia to zinc. A true "one for all".



Legionella Basic Kit

Basic Kit (Auto-Filtration | max. 9 tests*):

This Basic Kit is suitable if Legionella tests are only carried out from time to time and contains reagents for up to 9 tests.

Contents:

- 1 x Holder with magnet to hold 4 MHCB cuvettes, for use as single cuvette or with LG-MP4 stirrer
- 1 x PrimeLab 2.0 adapter for use with rectangular 1ml Eppendorf cuvettes
- ID 147 (Legionella) pre-activated
- 1 x LGP-10 kit for performing max. 9 tests (1 control/batch)

PrimeLab 2.0 starter kit (Legionella parameter activated) contains:

- 1 x Grey plastic carrying case with foam insert.
- 1 x PrimeLab 2.0 Multitest Photometer
- 4 x 24mm/10ml cuvettes with lid (light protection integrated in the lid)
- 1 x Light shield (for 16mm and Eppendorf cuvettes as well as control standards)
- 1 x 24mm cuvette adapter (built-in; exchangeable)
- 1 x 10.5 cm stirring rod
- 1 x 10ml plastic syringe (graduated)
- 1 x Cuvette cleaning brush
- 1 x Microfibre cleaning cloth for cuvettes
- 1 x Charger with cable (USB Type-C)
- 1 x Printed user manual in a ring binder

Professional filter equipment:

- 1 x Vacuum pump
- 1 x Filtration funnel
- 1 x Glass collection bottle 1000ml
- 1 x Tweezer
- 1 x Scissor
- 100 filter papers GF/C (47mm)
- 100 filter bags 0,40µ (47mm)

Legionella Professional Kit

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.

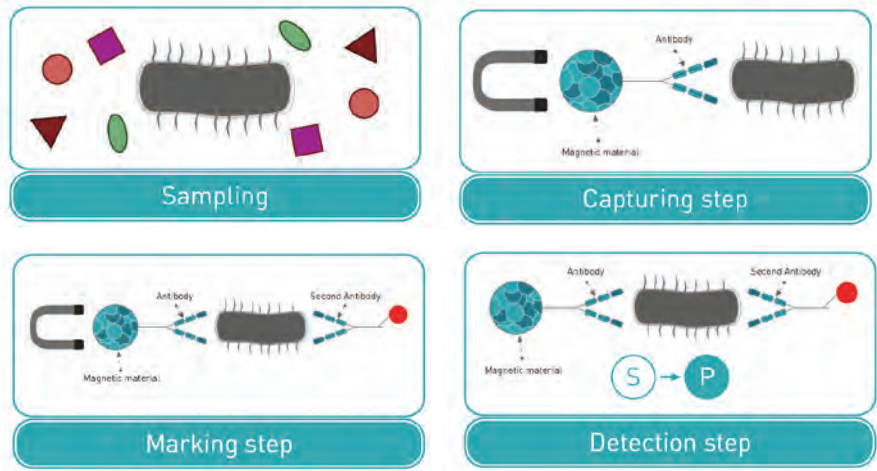
Contents:
1 x Rack with magnet for holding 4 MHCB cuvettes, for use as single cuvette or with LG-MP4 stirrer
1 x PrimeLab 2.0 adapter for use with rectangular 1ml Eppendorf cuvettes
ID 147 (Legionella) pre-activated
1 x LGP-100 kit to perform max. 99 tests (1 control / batch)
1 x Professional laboratory pipette (0 - 1000 µl)
100 x Tips for 0 - 1000 µl pipette
100 x 60ml elution bottle
1 x MP4 stirrer with accessories to manage 19 samples
1 x Table cloth for managing MP4 racks
1 x Silver aluminium trolley with foam inserts

PrimeLab 2.0 starter kit (Legionella parameter activated) contains:
1 x PrimeLab 2.0 Multitest Photometer
4 x 24mm/10ml cuvettes with lid (light shield integrated in lid)
1 x Light shield (for 16mm and Eppendorf cuvettes as well as control standards)
1 x 24mm cuvette adapter (built-in; exchangeable)
1 x 10.5 cm stirring rod
1 x 10ml plastic syringe (graduated)
1 x Cuvette cleaning brush
1 x Microfibre cleaning cloth for cuvettes
1 x Charger with cable (USB Type-C)
1 x Printed user manual in a ring binder

Professional filtration equipment:
1 x Filtration funnel
1 x Vacuum pump
1 x Glass collection bottle 1000ml
1 x Tweezer
1 x Scissor
100 filter papers GF/C (47mm)
100 filter bags 0,40µ (47mm)

Item No.	Product Description	Possible No. Of Tests	Min.	Max.
LGP-10	Kit 10: Includes single dose reagents L0/L1/L2/L3/L4/L5, 5 x disposable pipettes, 10 x Eppendorf measuring vials, 10 x 9ml handling vials		5	9
LGP-40	Kit 40: Includes bulk units (lab pipette required) of reagents L0/L1/L2/L3/L4/L5, 40 x Eppendorf measuring vials, 40 x 9ml handling vials		20	39
LGP-100	Kit 100: Includes bulk units (lab pipette required) of reagents L0/L1/L2/L3/L4/L5, 100 x Eppendorf measuring vials, 100 x 9ml handling vials		50	99

*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).



FLEXIBLE PARAMETER SETUP



Why pay for more parameters than needed?

As with PrimeLab 1.0, the PrimeLab 2.0 will offer a flexible parameter setup with all options to upgrade whenever needed.

The PrimeLab 2.0 offers more than 140 different parameter-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 practices fair play 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.

Step 1:

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:

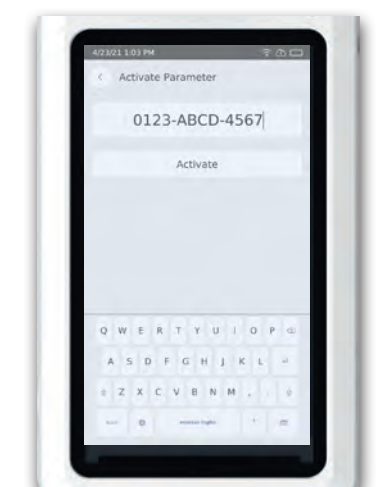
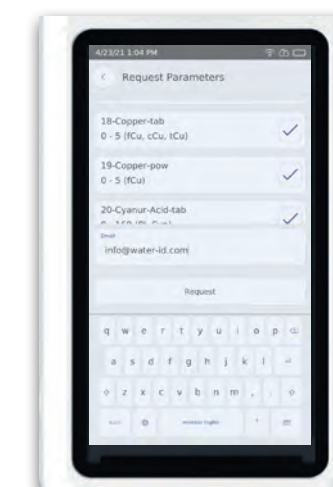
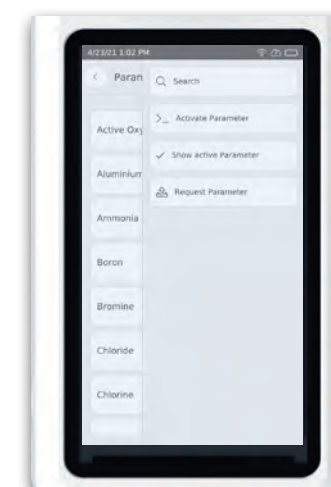
Choose those parameters/methods from the parameter's list, which shall be pre-activated when the PrimeLab 2.0 will be delivered (find the parameter list on p.XX)

Step 3:

Pick 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 PRE-SET-KITS

COMPLETE PACKAGES INCLUDING
REAGENTS AND ACCESSORIES

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



The Water-i.d.® PrimeLab 2.0 Pre-Set-Kits offer complete solutions which includes 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 PRIMELAB 2.0 PRE-SET-KITS

Kit Name	Page
Legionella Kit	21
COD / Chemical Oxygen Demand Kit	22
Waste Water Kit	23
Drinking Water Kit	24
Boiler Water Kit	26
Cooling Water Kit	27

Kit Name	Page
Pool Water Kit	28
Marine PWT Kit	30
Marine Boiler Water Kit	32
Marine Cooling Water Kit	33
Marine SDA Kit	34

PRIMELAB 2.0 LEGIONELLA KIT
(LEGIONELLA SPP. IN 1 HOUR)



Recommended photometer

Item No.	Kit
PL02B	The 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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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 ⁶ 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 ⁶ 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).

Please find more information on Page 49, chapter Legionella Test-Kits.

PRIMELAB 2.0 COD KIT
(CHEMICAL OXYGEN DEMAND)



Recommended photometer

Item No.	Kit
PL02B	The 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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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 No.	Kit
PL02B	The 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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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	Phosphate-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 No.	Kit
PL02B-TRB	The 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 of the Starter Kit see on page 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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
PLPar72	Fluoride	0 – 2 mg/l	liquid

Continued ➔

**PRIMELAB 2.0
DRINKING WATER KIT**

← Continued

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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 No.	Kit
PL02B	The 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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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 No.	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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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

**PRIMELAB 2.0
POOL WATER KIT**



Recommended photometer

Item No.	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 of the Starter Kit see on page 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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

Item No.	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

Continued ➔

**PRIMELAB 2.0
MARINE PWT KIT**



Recommended photometer

Item No.	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 of the Starter Kit see on page 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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 No.	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 seperate marine catalogue.

Continued ➔

PRIMELAB 2.0 MARINE BOILER WATER KIT



Recommended photometer

Item No.	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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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 No.	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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	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 No.	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 36*

Recommended reagents/parameters (these methods are activated on the included PrimeLab 2.0)

Item No.	Parameter	Measurement Range	Type Of Reagent
PLPar172	Iron-in-Oil [Fe ²⁺]	20 – 450 mg/l	tablet

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



***PRIMELAB 2.0 STARTER KIT**

PrimeLab 2.0 Multitest Photometer Starter-Kit contains:

- 1 x Grey plastic carrying-case with foam insert
- 1 x PrimeLab 2.0 Multitest Photometer
 - 5.5" HD-Colour-Touch Display
 - 16 wavelengths-scan (410 – 940nm)
 - „90° ready“ for NTU, PTSA, Fluorescein, Plankton
 - Option of over 140 different parameters (chargeable activation required)
 - 8.400 mAh Li-Ion-battery (built-in)
 - Bluetooth® 4.2
 - WiFi/USB Type C | GSM (via USB-Type-C Modem)
 - Option to connect Electrodes (via USB Type C plus A/D-changer-Box)
 - Built-in camera to scan QR-Codes
 - Self-Calibration-Mode with certificate (via LabCOM® software)
 - „I-OTZ“ Intelligent-One-Time-Zero
 - Compatible to the free of charge PrimeLab tools:
 - LabCOM® App| Software|Cloud (Android, iOS, Windows, Mac, Browser)
- 4 x 24mm|10ml glass-vials with lid (light-shield incorporated into the lid)
- 1 x Light shield (for 16mm and 1ml vials as well as check-standards)
- 1 x 24mm vial adapter (built-in; exchangeable)
- 1 x 10.5 cm stirring rod
- 1 x 10ml plastic syringe (graduated)
- 1 x Vial cleaning brush
- 1 x Microfibre cleaning cloth for vials
- 1 x Charger with cable (USB-Type-C)
- 1 x Printed user manual in a ring-binder



PRIMELAB 2.0 – LIST OF PARAMETERS



Item No.	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 No.	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	--
PLPar72	Fluoride	0 – 2 mg/l	0.01	L
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 No.	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 ⁶ 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 No.	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 No.	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	Phosohate-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

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

Item No.	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	Suphide	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 wavelenghts). 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



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



PRIMELAB 2.0 – ACCESSORIES



Vials and measuring cups	
Item No.	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 Eppendorf-vials
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 No.	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

Stirring rods / cleaning brushes	
Item No.	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

Dosing equipment	
Item No.	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

Electronics	
Item No.	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-L	Single block thermostat for 12 x 16mm vials. Temperature up to 150°C. Digital reading. 230V, 50/60 Hz.
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 No.	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	2 x 100ml reference standards 500 µg/l PTSA, deionised water
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 No.	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

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

SUITABLE REAGENTS



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
TbsPD4	Active Oxygen (MPS)	01	0 – 40 mg/l	Tablets	DPD N°4
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	25 – 300 mg/l	Tablets	Alkalinity-P
TbsHALM1	Aluminium	04	0 – 0.3 mg/l	Tablets	Aluminium N°1
TbsPALM2	Aluminium	04	0 – 0.3 mg/l	Tablets	Aluminium N°2
PPHAM1	Ammonia (LR)	02	0 – 1 mg/l	Powder P.	Ammonia N°1
PPPAM2	Ammonia (LR)	02	0 – 1 mg/l	Powder P.	Ammonia N°2
PPHAMsw	Ammonia (LR)	02	0 – 1 mg/l	Powder P.	Ammonia Sea-Water cond.
PL155-kit	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
TbsHBO1	Boron	07	0 – 2 mg/l	Tablets	Boron N°1 (25 tests)
TbsPBO2	Boron	07	0 – 2 mg/l	Tablets	Boron N° 2
TbsPD1	Bromine	08	0 – 18.00 mg/l	Tablets	DPD N°1
TbsHGC	Bromine	08	0 – 18.00 mg/l	Tablets	Glycine
PL30DPD1A	Bromine	63	0 – 18.00 mg/l	Liquid	PL DPD N°1 A (125 tests)
PL30DPD1B	Bromine	63	0 – 18.00 mg/l	Liquid	PL DPD N°1 B (125 tests)
PLpow20DPDNitr	Bromine	63	0 – 18.00 mg/l	Powder	PL DPD Nitrite Powder (285 tests)
PPPD150	Bromine	128	0 – 4.5 mg/l	Powder P.	DPD N°1
PL65OxyScav1	Carbohydrazide	71	0 – 1.3 mg/l	Liquid	PL Oxy. Scav. N°1 (270 tests)
PL65OxyScav2	Carbohydrazide	71	0 – 1.3 mg/l	Liquid	PL Oxy. Scav. N°2 (65 tests)
TbsPD1	Chloramines	95	0 – 8 mg/l	Tablets	DPD N°1 Photometer
TbsPD2	Chloramines	95	0 – 8 mg/l	Tablets	DPD N°2 Photometer



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
TbsPD3	Chloramines	95	0 – 8 mg/l	Tablets	DPD N°3 Photometer
TbsHCRD1	Chloride	10	0.5 – 25 mg/l	Tablets	Chloride N°1
TbsPCRD2	Chloride	10	0.5 – 25 mg/l	Tablets	Chloride N°2
PL65Chloride1	Chloride	124	0 – 100 mg/l	Liquid	PL Chloride N°1 (108 tests)
PL65Chloride2	Chloride	124	0 – 100 mg/l	Liquid	PL Chloride N°2 (108 tests)
PL30CLMEOH	Chloride in Methanol	167	0 – 20 mg/l	Liquid	PL30CLMEOH (75 tests)
TbsPD1	Chlorine	11	0 – 8.00 mg/l	Tablets	DPD N° 1
TbsPD3	Chlorine	11	0 – 8.00 mg/l	Tablets	DPD N° 3
PL30DPD1A	Chlorine	12	0 – 8.00 mg/l	Liquid	PL DPD 1 A (250 tests)
PL30DPD1B	Chlorine	12	0 – 8.00 mg/l	Liquid	PL DPD 1 B (250 tests)
PL30DPD3C	Chlorine	12	0 – 8.00 mg/l	Liquid	PL DPD 3 C (250 tests)
TbsPCLHR	Chlorine (KI) (HR)	14	5 – 200 mg/l	Tablets	Chlorine HR (KI)
PPHAFG	Chlorine (KI) (HR)	14	5 – 200 mg/l	Powder P.	Acidifying GP
PL65CIHR1	Chlorine (KI) (HR)	15	0 – 200 mg/l	Liquid	PL Chlorine HR N°1 (541 tests)
PL30CIHR2/ PL65CIHR2	Chlorine (KI) (HR)	15	0 – 200 mg/l	Liquid	PL Chlorine HR N°2 (250/541 tests)
PPPD150	Chlorine (free)	129	0 – 2 mg/l	Powder	DPD N° 1
TbsPD1MR	Chlorine (MR)	122	0 – 10 mg/l	Tablets	DPD N°1 MR
TbsPD3MR	Chlorine (MR)	122	0 – 10 mg/l	Tablets	DPD N° 3 MR
TbsPD1	Chlorine Dioxide	16	0 – 15.0 mg/l	Tablets	DPD N°1
TbsHGC	Chlorine Dioxide	16	0 – 15.0 mg/l	Tablets	Glycine
PL30DPD1A	Chlorine Dioxide	64	0 – 15.0 mg/l	Liquid	PL DPD N°1 A (250 tests)
PL30DPD1B	Chlorine Dioxide	64	0 – 15.0 mg/l	Liquid	PL DPD N°1 B (250 tests)
PL30DPDGlycine	Chlorine Dioxide	64	0 – 15.0 mg/l	Liquid	PL DPD Glycine (250 tests)



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PPPD1	Chlorine Dioxide	130	0 – 5 mg/l	Powder P.	DPD N°1
TbsHGC50	Chlorine Dioxide	130	0 – 5 mg/l	Tablets	Glycine
PL30DPD1A	Chlorite	106	0 – 8 mg/l	Liquid	PL DPD N°1 A (125 tests)
PL30DPD1B	Chlorite	106	0 – 8 mg/l	Liquid	PL DPD N°1 B (125 tests)
PL30DPD3C	Chlorite	106	0 – 8 mg/l	Liquid	PL DPD N°3 C (250 tests)
PL30DPDGlycine	Chlorite	106	0 – 8 mg/l	Liquid	PL DPD Glycine (250 tests)
PL30DPDAcidif	Chlorite	106	0 – 8 mg/l	Liquid	PL DPD Acidifying (250 tests)
PL30DPDNeutr	Chlorite	106	0 – 8 mg/l	Liquid	PL DPD Neutralising (250 tests)
TbsHChro1	Chromium	94	0 – 2.2 mg/l	Tablets	Chromium N°1
PPPChro2	Chromium	94	0 – 2.2 mg/l	Powder P.	Chromium N°2
PLpow10Chromate1	Chromium	103	0 – 1 mg/l	Powder	PL Chromate N°1 (142 tests)
PL30-/ PL65Chromate2	Chromium	103	0 – 1 mg/l	Liquid	PL Chromate N°2 (50/108 tests)
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	
COD-17-HR	COD (HR)	17	0 – 15000 mg/l	25 Prepared vials	
--	Colour (Hazen/APHA)	107	15 – 500 mg/l	--	
TbsHCu1	Copper	18	0 – 5 mg/l	Tablets	Copper N°1
TbsPCu2	Copper	18	0 – 5 mg/l	Tablets	Copper N°2
PLpow20Cu1	Copppe	19	0 – 5 mg/l	Powder	PL Copper N°1
PL158-kit	Cyanide	158	0.01 – 0.50 mg/l	Powder Powder Liquid	PL Cyanide-11 PL Cyanide-12 PL Cyanide-13
TbsPCAT	Cyanuric Acid	20	2 – 160 mg/l	Tablets	CYA-Test
PL30DPD1A	DBNPA	65	0 – 13 mg/l	Liquid	PL DPD N°1 A (250 tests)



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PL30DPD1B	DBNPA	65	0 – 13 mg/l	Liquid	PL DPD N°1 B (250 tests)
PL30DPD3C	DBNPA	65	0 – 13 mg/l	Liquid	PL DPD N°3 C (250 tests)
TbsPD1	DBNPA	82	0 – 13 mg/l	Tablets	DPD N°1
TbsPD3	DBNPA	82	0 – 13 mg/l	Tablets	DPD N°3
PL65OxyScav1	DEHA	21	20 – 1000 µg/l	Liquid	PL Oxyg. Scav. N°1 (270 tests)
PL65OxyScav2	DEHA	21	20 – 1000 µg/l	Liquid	PL Oxyg. Scav. N°2 (65 tests)
PL30DO1	Dissolved Oxygen	163	0.0 – 10.0 mg/l	Liquid	PL DissOx N°1
PL30DO2	Dissolved Oxygen	163	0.0 – 10.0 mg/l	Liquid	PL DissOx N°2
PL30DO3	Dissolved Oxygen	163	0.0 – 10.0 mg/l	Liquid	PL DissOx N°3
PL65OxyScav1	Erythorbic Acid	70	0 – 3.5 mg/l	Liquid	PL Oxyg. Scav. N°1 (270 tests)
PL65OxyScav2	Erythorbic Acid	70	0 – 3.5 mg/l	Liquid	PL Oxyg. Scav. N°2 (65 tests)
PL65Fluoride1	Fluoride	72	0 – 2 mg/l	Liquid	PL Fluoride N°1 (34 tests)
PL65Fluoride2	Fluoride	72	0 – 2 mg/l	Liquid	PL Fluoride N°2 (162 tests)
TbsHCH1	Hardness - Calcium	78	0 – 500 mg/l	Tablets	Calcium-H. N° 1
TbsPCH2	Hardness - Calcium	78	0 – 500 mg/l	Tablets	Calcium-H. N° 2
TbsPCH	Hardness - Calcium (HR)	09	50 – 1000 mg/l	Tablets	Calcium Hardness
PL20CH1	Hardness-Calcium	166	0 – 500 mg/l	Liquid	PL Calcium Hardness 1 (50 tests)
PL20CH2	Hardness -Calcium	166	0 – 500 mg/l	Liquid	PL Calcium Hardness 2(50 tests)
TbsPTH	Hardness) - Total (LR	56	2 – 50 mg/l	Tablets	Total Hardness
TbsPTH	Hardness - Total (HR)	57	20 – 500 mg/l	Tablets	Total Hardness



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PL20TH1	Hardness - Total (HR)	148	0 – 500 mg/l	Liquid	PL Total Hardness N°1 (50 tests)
PL10TH2	Hardness - Total (HR)	148	0 – 500 mg/l	Liquid	PL Total Hardness N°2 (50 tests)
PL65Hydraz1	Hydrazine	23	5 – 600 µg/l	Liquid	PL Hydrazine N°1 (162 tests)
PL30HydLRP1	Hydrogen Peroxide LR	66	0 – 3.8 mg/l	Liquid	PL Hyd. Perox. LR N°1 (250 tests)
PL30HydLRP2	Hydrogen Peroxide LR	66	0 – 3.8 mg/l	Liquid	PL Hyd. Perox. LR N°2 (250 tests)
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 N°1 (541 tests)
PL65HydHRP2	Hydrogen Peroxide HR	25	0 – 200 mg/l	Liquid	PL Hyd. Perox. HR N°2 (541 tests)
TbsHAFPP	Hydrogen Peroxide HR	162	0 – 200 mg/l	Tablet	Acidifying PT Photometer
TbsPHPHR	Hydrogen Peroxide HR	162	0 – 200 mg/l	Tablet	Hyd. Peroxide HR Photometer
PL-DX DEWAN-50	DEWAN-50	109	0 – 300 mg/l	Liquid	Available via DINAX: www.dinax.hu
PL65OxyScav1	Hydroquinone	26	0 – 2.5 mg/l	Liquid	PL Oxy. Scav. N°1 (270 tests)
PL65OxyScav2	Hydroquinone	26	0 – 2.5 mg/l	Liquid	PL Oxy. Scav. N°2 (65 tests)
TbsPD1	Iodine	27	0 – 28 mg/l	Tablets	DPD N°1
PL30DPD1A	Iodine	67	0 – 28 mg/l	Liquid	PL DPD N°1 A (250 tests)
PL30DPD1B	Iodine	67	0 – 28 mg/l	Liquid	PL DPD N°1 B (250 tests)
TbsPILR	Iron (LR)	28	0 – 1 mg/l	Tablets	Iron (LR)
PLpow20IronMR1	Iron (MR)	29	0 – 10 mg/l	Powder	PL Iron MR N°1 (285 tests)



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PLpow20IronMR2	Iron (MR) Fe ²⁺	127	0 – 10 mg/l	Powder	PL Iron MR N°2 (400 tests)
PL65IronHR1	Iron (HR)	30	0 – 30 mg/l	Liquid	PL Iron HR N°1 (162/108 tests)
PL30IronHR2	Iron (HR)	30	0 – 30 mg/l	Liquid	PL Iron HR N°2 (375 tests)
ppFerVer1	Iron total (LR)	132	0 – 3 mg/l	Powder P.	FerroVer® Iron PP (Hach) (100 tests)
PLPar171	Iron in Oil	171	20 – 450 mg/l	Reagents and accessories kit to perform 60 tests	
PL30Isoz1	Isotiazolinone	88	0 – 10 mg/l	Liquid	PL Isothiazolinone N°1 (187 tests)
PL65Isoz2	Isotiazolinone	88	0 – 10 mg/l	Liquid	PL Isothiazolinone N°2 (108 tests)
PL65Isoz3	Isotiazolinone	88	0 – 10 mg/l	Liquid	PL Isothiazolinone N°3 (95 tests)
PL65Isoz4	Isotiazolinone	88	0 – 10 mg/l	Liquid	PL Isothiazolinone N°4 (108 tests)
PL30Isoz5	Isotiazolinone	88	0 – 10 mg/l	Liquid	PL Isothiazolinone N°5 (150 tests)
LGP-10	Legionella	147	60 – 1000000 cfu/test	Kit to perform max. 9 tests (1 control / batch): 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	
LGP-40	Legionella	147	60 – 1000000 cfu/test	Kit to perform max. 39 tests (1 control / batch): 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	Kit to perform max. 99 tests (1 control / batch): 1 x bottle (1050ml) „L0 Diluent“ 1 x bottle (105ml) „L1 Capture Reagent“ 2 x bottles (each 940ml) „L2 Washing buffer“	



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
← LGP-100				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	
TbsPMag	Magnesium	93	0 – 100 mg/l	Tablets	Magnesium Photometer
PPHMGNSLR1	Manganese	31	0.2 – 5 mg/l	Powder P.	Manganese LR N°1
PPPMGNSLR2	Manganese	31	0.2 – 5 mg/l	Powder P.	Manganese LR N° 2
TbsHMagVLR1	Manganese (VLR)	161	0 – 0.030 mg/l	Tablets	Manganese VLR N°1 + VLR N°2
PL65OxyScav1	Methylethylketoxime	69	0 – 4.1 mg/l	Liquid	PL Oxy. Scav. N°1 (270 tests)
PL65OxyScav2	Methylethylketoxime	69	0 – 4.1 mg/l	Liquid	PL Oxy. Scav. N°2 (65 tests)
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 N°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 N°1
TbsPMDH2	Molybdate	32	1 – 100 mg/l	Tablets	Molybdate HR N°2
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 N°1 (100 tests)
PL30NickHR2	Nickel (HR)	100	0 – 10 mg/l	Liquid	PL Nickel HR N°2 (150 tests)
PL60NickHR3	Nickel (HR)	100	0 – 10 mg/l	Liquid	PL Nickel HR N°3 (150 tests)
PLpow20Nitra1	Nitrate	34	0.00 – 11.00 mg/l	Powder	PL Nitrate N°1 (285 tests)



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PL65Nitra2	Nitrate	34	0.00 – 11.00 mg/l	Liquid	PL Nitrate N°2 (162 tests)
PPHNitra1	Nitrate HR	169	1 – 100 mg/l	Powder P.	Nitrate HR N° 1
PPPNitra2	Nitrate HR	169	1 – 100 mg/l	Powder P.	Nitrate HR N° 2
PPPNiLR	Nitrite (LR)	35	0 – 0.5 mg/l	Powder P.	Nitrite LR
PLpow10-/ PLpow20NitriHR1	Nitrite (HR)	36	5 – 200 mg/l	Powder	PL Nitrite HR N°1 (142/285 tests)
TbsHNNiHR1	Nitrite (HR)	97	0 – 1500 mg/l	Tablets	Nitrite HR N°1
TbsPNiHR2	Nitrite (HR)	97	0 – 1500 mg/l	Tablets	Nitrite HR N°2
PL65NitriteHR2	Nitrite (HR)	101	0 – 3000 mg/l	Liquid	PL Nitrite HR N°2 (108 tests)
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
TbsPD1	Ozone	37	0 – 5.4 mg/l	Tablets	DPD N°1
TbsPD3	Ozone	37	0 – 5.4 mg/l	Tablets	DPD N°3
TbsHGC	Ozone	37	0 – 5.4 mg/l	Tablets	Glycine
PL30DPD1A	Ozone	92	0 – 5.4 mg/l	Liquid	PL DPD N°1 A (125/250 tests)
PL30DPD1B	Ozone	92	0 – 5.4 mg/l	Liquid	PL DPD N°1 B (125/250 tests)
PL30DPD3C	Ozone	92	0 – 5.4 mg/l	Liquid	PL DPD N°3 C (250 tests)
PL30DPDGlycine	Ozone	92	0 – 5.4 mg/l	Liquid	PL DPD Glycine (250 tests)
TbsPD4	Peracetic Acid LR	164	0.00 – 10.00 mg/l	Tablets	DPD N°4



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
TbsPCLHR	Peracetic Acid HR	165	0 – 300 mg/l	Tablets	Chlorine HR (KI)
PPHAFG	Peracetic Acid HR	165	0 – 300 mg/l	Powder P.	Acidifying GP
PL10PTT	Permanganate	159	0 – 100 %T	Liquid	PTT (285 tests)
PTT-Metha	Permanganate	159	0 – 100 %T	Sealed vial	10ml Reagent grade Methanol
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)
TbsHPhen1	Phenol	98	0 – 5 mg/l	Tablets	Phenol N°1
TbsPPhen2	Phenol	98	0 – 5 mg/l	Tablets	Phenol N°2
TbsPPhen3	Phenol	98	0 – 5 mg/l	Tablets	Phenol CR
TbsPPB	PHMB	43	2 – 60 mg/l	Tablets	PHMB
PPHPPLR1	Phosphate (LR)	44	0 – 4 mg/l	Powder P.	Phosphate (LR) N°1
TbsPPPLR2	Phosphate (LR)	44	0 – 4 mg/l	Tablets	Phosphate (LR) N°2
PL65PPLR1	Phosphate (LR)	45	0 – 4 mg/l	Liquid	PL Phosphate LR N°1 (65 tests)
PLpow10-/ PLpow20PPLR2	Phosphate (LR)	45	0 – 4 mg/l	Powder	PL Phosphate LR N°2 (142/285 tests)
PPHPPHR1	Phosphate (HR)	46	0 – 80 mg/l	Powder P.	Phosphate (HR) N°1
TbsPPPHR2	Phosphate (HR)	46	0 – 80 mg/l	Tablets	Phosphate (HR) N°2
PL65PPHR1	Phosphate (HR)	47	0 – 100 mg/l	Liquid	PL Phosphate HR N°1 (65 tests)
PL65PPHR2	Phosphate (HR)	47	0 – 100 mg/l	Liquid	PL Phosphate HR N°2 (65 tests)
PL65PPHON3	Phosphonate	87	0 – 20 mg/l	Liquid	PL Phosphonate N°3 (81 tests)
PLpow20PPHON1	Phosphonate	87	0 – 20 mg/l	Powder	PL Phosphonate N°1 (285 tests)



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PLpow20PPHON2	Phosphonate	87	0 – 20 mg/l	Powder	PL Phosphonate N°2 (285 tests)
PLpow20PPHON4	Phosphonate	87	0 – 20 mg/l	Powder	PL Phosphonate N°4 (285 tests)
TbsPOPA	Phosphonate	110	0 – 20 mg/l	Tablets	OrgaPhos N°1
TbsPOPB	Phosphonate	110	0 – 20 mg/l	Tablets	OrgaPhos N°2
TbsHOPAX	Phosphonate	110	0 – 20 mg/l	Tablets	OrgaPhos N°3
TbsHOXOP	Phosphonate	110	0 – 20 mg/l	Tablets	OrgaPhos-OX
IPL153-kit	Phosphorus- Total (LR)	153	0 – 2.6 mg/l	Kit	50 Phosphorus LR vial 30ml PL Phosphorus LR N°1 10g PL Phosphorus N°2 100 powder p. Phosphate LR N°1 50 tablets Phosphate LR N°2
PLI54-kit	Phosphorus- Total (HR)	154	0 – 52 mg/l	Kit	50 Phosphorus HR vial 30ml PL Phosphorus HR N°1 10g PL Phosphorus N°2 100 powder p. Phosphate HR N°1 50 tablets Phosphate HR N°2
PL65PLYA1	Polyacrylate	85	1 – 30 mg/l	Liquid	PL Polyacrylate N°1 (65 tests)
PL65PLYA2	Polyacrylate	85	1 – 30 mg/l	Liquid	PL Polyacrylate N°2 (65 tests)
TbsPPTST	Potassium	48	0.7 – 12 mg/l	Tablets	Potassium
PPHAFG	QAC	83	25 – 150 mg/l	Powder P.	Acidifying GP
TbsPQAC	QAC	83	25 – 150 mg/l	Tablets	QAC HR
PL65HydHRP1	Sanosil	173	0 – 400 mg/l	Powder	PL Hydrogen Peroxide HR N°1
PL65HydHRP2	Sanosil	173	0 – 400 mg/l	Powder	PL Hydrogen Peroxide HR N°2
PL65SiLR1	Silica (LR)	49	0 – 5 mg/l	Liquid	PL Silica LR N°1 (162 tests)
PL65SiLR2	Silica (LR)	49	0 – 5 mg/l	Liquid	PL Silica LR N°2 (162 tests)
PLpow40SiLR3	Silica (LR)	49	0 – 5 mg/l	Powder	PL Silica LR N°3 (190 tests)
PLpow10-/ PLpow20SiLHR1	Silica (HR)	50	0 – 100 mg/l	Powder	PL Silica HR N°1 (71/142 tests)



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PLpow60SiLHR2	Silica (HR)	50	0 – 100 mg/l	Powder	PL Silica HR N°2 (241 tests)
PLpow10SiLHR3	Silica (HR)	50	0 – 100 mg/l	Powder	PL Silica HR N°3 (142 tests)
TbsPCLHR	Sodium Hypochlor.	51	0.2 – 40 %	Tablets	Chlorine HR (Ki)
PPHAFG	Sodium Hypochlor.	51	0.2 – 40 %	Powder P.	Acidifying GP
PL65CIHR1	Sodium Hypochlor.	68	0.2 – 40 %	Liquid	PL Chlorine HR N°1 (541 tests)
PL30CIHR2/ PL65CIHR2	Sodium Hypochlor.	68	0.2 – 40 %	Liquid	PL Chlorine HR N°2 (250/541 tests)
PPPSULP	Sulphate	54	5 – 100 mg/l	Powder P.	Sulphate
PLpow10SULPHA1	Sulphate	55	5 – 100 mg/l	Powder	PL Sulphate N°1 (142 tests)
TbsHSULFD1	Sulphide	52	0.04 – 0.5 mg/l	Tablets	Sulphide N°1
TbsPSULFD2	Sulphide	52	0.04 – 0.5 mg/l	Tablets	Sulphide N°2
HaSulfide1	Sulphide	140	0 – 0.7 mg/l	Liquid	Sulfide 1 (Hach) (1000 tests)
HaSulfide2	Sulphide	140	0 – 0.7 mg/l	Liquid	Sulfide 2 (Hach) (1000 tests)
TbsPSULFTLR	Sulphite (LR)	53	0 – 10 mg/l	Tablets	Sulphite LR
TbsHSULFHR1	Sulphite (HR)	105	0 – 300 mg/l	Tablets	Sulphite N°1
TbsPSULFHR2	Sulphite (HR)	105	0 – 300 mg/l	Tablets	Sulphite N°2
PL65OxyScav1	Sulphite (HR)	174	0 – 200 mg/l	Powder	PL Oxygen Scavenger 1
PL65OxyScav2	Sulphite (HR)	174	0 – 200 mg/l	Powder	PL Oxygen Scavenger 2
PL65Tannin1	Tannic acid	91	0 – 150 mg/l	Liquid	PL Tannin N°1 (65 tests)
PL30Tannin2	Tannic acid	91	0 – 150 mg/l	Liquid	PL Tannin N°2 (125 tests)
PL30DPD1A	Total Oxidant	108	0 – 8 mg/l	Liquid	PL DPD N°1 A (250 tests)
PL30DPD1B	Total Oxidant	108	0 – 8 mg/l	Liquid	PL DPD N°1 B (250 tests)
PL30DPD3C	Total Oxidant	108	0 – 8 mg/l	Liquid	PL DPD N°3 C (250 tests)
PL30DPDAcidif	Total Oxidant	108	0 – 8 mg/l	Liquid	PL DPD Acidifying (250 tests)



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Item No.	Parameter	ID	Range	Reagent (No. Of Tests)	
PL30DPDNeutr	Total Oxidant	108	0 – 8 mg/l	Liquid	PL DPD Neutralising (250 tests)
PPHAM1	Urea	120	0.1 – 2.5 mg/l	Powder P.	Ammonia N°1
PPPAM2	Urea	120	0.1 – 2.5 mg/l	Powder P.	Ammonia N°2
PL30Urea1	Urea	120	0.1 – 2.5 mg/l	Liquid	PL Urea N°1 (375 tests)
PL10Urea2	Urea	120	0.1 – 2.5 mg/l	Liquid	PL Urea N°2 (250 tests)
PPHAM1	Urea HR	150	0.2 – 5 mg/l	Powder P.	Ammonia N°1
PPPAM2	Urea HR	150	0.2 – 5 mg/l	Powder P.	Ammonia N°2
PL30Urea1	Urea HR	150	0.2 – 5 mg/l	Liquid	PL Urea N°1 (375 tests)
PL10Urea2	Urea HR	150	0.2 – 5 mg/l	Liquid	PL Urea N°2 (250 tests)
TbsPCZ	Zinc	62	0 – 1 mg/l	Tablets	Copper/Zinc LR
TbsHED	Zinc	62	0 – 1 mg/l	Tablets	EDTA
TbsHDC	Zinc	62	0 – 1 mg/l	Tablets	DECHLOR

TECHNICAL DATA

Dimensions:	10cm x 25.5cm x 5.9cm (width x length x depth)
Weight:	715g
Spectral range:	390nm – 950nm 18 wavelength, peaks at 410 435 460 485 510 535 560 585 610 645 680 705 730 760 810 860 900 940nm, 180° and 90° Setup for direct and indirect measurement
Parameters:	More than 140 parameters (flexible setup) – User defined parameter function
Electrodes:	USB–type–C connector for pH EC TDS ORP Temp-Probes
Connectivity: (technical)	WiFi, USB (type C), 4G* (via USB–modem), Bluetooth® 4.2
Connectivity: (software)	LabCOM® Software (Windows Mac), LabCOM® App (Android iOS), LabCOM® Cloud (web-browser)
Display:	5.5" Colour–HD touch display
Camera:	(Available soon) In–built barcode QR–code scanner
Calibration:	Auto–calibration function with certificate (software)
One-Time-Zero:	Intelligent OTZ (One–Time–Zero) function with recognition of ZERO types
Internal memory:	>5000
Clock/Date:	RTC (Real–Time–Clock) with calendar function
Auto-Off:	Factory default setting = 10 minutes. Individual adjustment possible
Menu guidance:	Intuitive, display-controlled 4-button menu guidance; test instructions during measurement process
Power supply:	8.500 mA Li–Io–battery
Languages:	> 15
Environment:	5°C ––45°C 30 – 90% rel. humidity
Water-proof rating:	The device is splash–water–proof (IP54)
Reagents:	The calibration curves for the individual parameters measurement procedures are adjusted to the reagents offered by Water-i.d.®. Using reagents from other manufacturers may lead to wrong readings higher tolerances. PrimeLab reagents are etirely "Made in Germany" or "Made in UK"!



“When the well’s dry,
we know the
worth of water.”

– Benjamin Franklin