

# PRIMELAB<sub>1.0</sub> MINI-TEST PHOTOMETER

# LEGIONELLA-KITS

expandable to more than 130 different parameter-methods

PrimeLab introduces a new, patented method to test viable Legionella Sp. in just one hour without the need to let bacteria grow!



## KIT-FEATURES

1-HOUR LEGIONELLA SP. TEST

QUANTITATIVE 60-10<sup>6</sup> CFU

AOAC CERTIFIED

DETECTION OF VIABLE CELLS

PATENTED METHOD

## PRIMELAB-FEATURES

MORE THAN 130 METHODS

FLEXIBEL PARAMETER ACTIVATION

BLUETOOTH

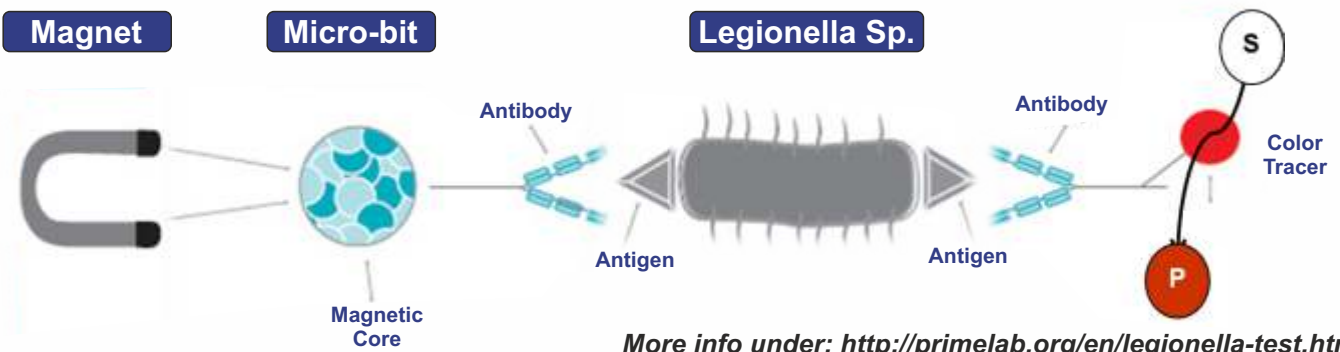
POWERFUL SOFTWARE AND APP

FREE CLOUD-SERVICE

SELF CALIBRATION

ON SCREEN INSTRUCTIONS

PATENTED METHOD



More info under: <http://primelab.org/en/legionella-test.html>

## FEATURES

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 take effective actions.

### Legipid® on PrimeLab takes a different approach:

As with the culture method 1litre of water is filtered to catch the Legionella. After releasing Legionella from filter, a patented reagent is added which contains micro-bits with a magnetic core, covered with an antibody. Due to the antibodies, only living *Legionella Sp.* (no false positives!) are captured. After several washing steps, a color tracer, again connected to an antibody, is added to connect with *Legionella Sp.*, already linked to the micro-bit.

By that, viable Legionella are made visible (pink color) to be read by PrimeLab. PrimeLab detects color and translates it into 60 - 10<sup>6</sup> cfu. As PrimeLab is bluetooth connected to a free software and app, both synchronized via cloud, reporting is very easy. In addition, PrimeLab is able to perform more than 130 different parameter-methods from Ammonia to Zinc due to the unique and patented JENCOLOR sensor, covering 400 wavelengths in parallel.

A true „one for all“, now including innovative Legipid®!

### PrimeLab-Legionella Sp. Kit

Expandable to more than 130 different parameters



## KITS

### LEGIONELLA BASIC KIT

#### Basic Kit (manual filtration / max. 9 tests\*\*):

This Basic kit is suitable if Legionella tests are performed only from time to time and includes reagents for up to 9 tests.

#### Content:

- 1 x PrimeLab 1.0 Photometer
- ID 147 (Legionella) pre-activated\*
- 1 x black plastic case with foam insert
- 4 x 24mm/10ml glass vials
- 1 x Light shield
- 1 x 10ml syringe
- 1 x Plastic stirring rod
- 1 x Cleaning brush
- 1 x plastic adapter to hook up 3ml vials on PrimeLab
- 4 x AAA batteries
- 1 x DC adapter (110/220V) with international plugs
- 1 x Bluetooth-USB dongle
- 1 x CD-ROM with PrimeLab software
- 1 x full printed manual
- 1 x LG-MP4-rack with magnets. Suitable for 3 parallel tests
- 5 x manual, 1-way filter kit (Filterpid®). Good for 5 tests only!
- 1 x Legipid® reagents and accessory kit „10“ for up to 9 tests

\*\* 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).

different kit options in between „Basic“ and „Professional“ available on request

### LEGIONELLA PROF. KIT

#### Professional Kit (auto-filtration / max 99 tests\*\*):

The professional Legionella Kit is a portable lab on its own with all accessories to quickly perform up to 19 tests in parallel and includes reagents for up to 99 tests.

#### Content:

- 1 x PrimeLab 1.0 Photometer
- ID 147 (Legionella) pre-activated\*
- 1 x silver aluminium trolley with foam inserts
- 4 x 24mm/10ml glass vials
- 1 x Light shield
- 1 x 10ml syringe
- 1 x professional lab pipette (0 - 1000 µl)
- 100 x tips for 0 - 1000 µl pipette
- 100 x 60ml elution flask
- 1 x Plastic stirring rod
- 1 x Cleaning brush
- 1 x plastic adapter to hook up 3ml vials on PrimeLab
- 4 x AAA batteries
- 1 x DC adapter (110/220V) with international plugs
- 1 x Bluetooth-USB dongle
- 1 x CD-ROM with PrimeLab software
- 1 x full printed manual
- 1 x MP4 agitator with accessories to manage 19 samples
- 1 x table cloth to manage MP4 racks
- 1 x professional filter equipment: vacuum pump, filtration funnel, glass bottle (1 litre), tweezer, scissor, 100 filter papers GF/C, 100 filter papers 0.40µ (both 47mm)
- 1 x Legipid® reagents kit „100“ for up to 99 tests

## LEGIPID-REAGENTS

Item code	Product description	Min.	Max.
		Possible no. of tests	
LGP-10	Kit 10: Includes single dose reagents L0/L1/L2/L3/L4/L5, 5 x disposable pipettes, 10 x 3ml 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 3ml 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 3ml measuring vials, 100 x 9ml handling vials	50	99