

Option 5

1 hour Legionella Spp. test on PrimeLab 1.0 Photometer

- Test result in just 1 hour!
- Quantitative 60 – 1,000,000 cfu/l
- Certified against culture
- New, patented method
- Living Legion. spp detected

Filter equipment:

- 5 x LP-Fil-man 1-way-filter-equipment (pre- and main-filter)

Accessories:

- PLSp-LegiAD-1 PrimeLab 1ml-cuvette adapter
- LG-MP2 unit for 2 x MHCB cuvettes plus magnet



Legionella-Kit

Item-code	Product	Quantity
PL01B	PrimeLab 1.0 Multitest Photometer BASIC-KIT / contains: 1 x PrimeLab 1.0 Multitest Photometer 1 x black plastic case 4 x 24mm/10ml glass vials 1 x light shield 1 x stirring rod 1 x 10ml syringe 1 x cleaning brush 1 x Bluetooth USB dongle 1 x CD with PrimeLab software (Windows) 4 x AAA batteries 1 x 110V/230V interchangeable power supply 1 x full manual	1
Total		1



Additional Accessories included in the kit

Item-code	Product	Quantity
LGP-MP2-kit	1 x plastic support with magnet to hold 2 cuvettes / 2 x MHCB cuvettes	1
PLSp-LegiAD-1	PrimeLab Adapter for 1 ml CB cuvettes	1
LP-Fil-man	1-time-use manual filter kit: 1 x 60ml Elution Flask 1 x Syringe Glass fiber filter, with pore 1 x Self-contained micro-filter 1 x Syringe elution of 10 ml with Luer Lock connector (2 units) 1 x Syringe filtration of 50 ml with Luer Lock 1 x Stopper 2 x Stopper filter end	5
Total		7

Pre-installed Parameters

Item-code	Product	Quantity
PLPar147	ID 147 / Legionella / 60-1000000 cfu/l / liquid / Resolution 1	1
Total		1

Reagents

Item-code	Product	Item-code
LGP-10	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 1CB cuvette	1
Total		1



Legionella - what is it

In aerosols generated by a shower head of a hospital or a hotel, in a car wash or in an industrial cooling system, there may be water droplets brimming with bacteria. This is how Legionella reaches us, through inhalation. Legionella sp. can travel huge distances. Cases of infection have been reported in a radius of up to 10 km away from the source. Near or far, if Legionella reaches our lungs it will behave in a very similar way, either colonizing or invading. In a few days pneumonia will develop. Legionellosis is a systemic infectious disease that primarily affects the lungs and has a mortality rate between 5% and 30%. Of the total cases reported, 95-98% can be attributed to Legionella pneumophila. This disease is a hot topic in the field of Public Health, as its average mortality rate is 12%-15% and it can easily reach 30-50% in patients with weak immune systems or who do not receive antibiotics promptly.

Advantage of legipid®+ PrimeLab

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

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

How does it work

Whilst the common cultural method needs an agar on which Legionella have to grow to be counted after several days, Legipid® works differently. 1 litre of sample water is filtered to concentrate Legionella on a filter paper. Legionella on filter paper gets released in a small vial where "L1" is added. "L1" is a patented solution, containing immuno-magnetic particles (antibodies), only attaching to living Legionella sp. After several washing steps, a colouring solution is added to colour the captured Legionella. Concentration of the colour is in relation to concentration of Legionella in the sample which makes it possible to be tested by the PrimeLab 1.0. Result is displayed as cfu per litre.

Requirements

For all those who currently use a PrimeLab, all you need, is an update through the PrimeLab Desktop Assistant Software or the App, an activation code for ID 147 (Legionella) and a small plastic adapter to use 1ml Legionella vials. If you do not yet have a PrimeLab, it benefits from more than 120 different test methods, starting with A for Alkalinity to Z for Zinc.

JENCOLOR sensor technology allows parallel testing on 400 different wavelengths ensuring outmost accuracy of test results.

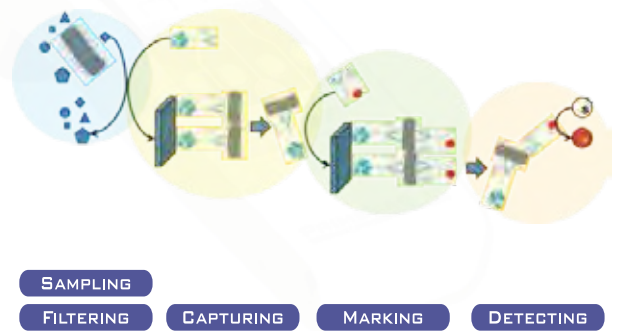
Wireless Bluetooth technology, free software and App, individual parameter setup, free cloud service, dosage recommendations based on your individual water treatment chemicals, activation of more parameters at any time, reports per account (test sources), Turbidity (NTU) along with PTSA and Fluorescein by adapter to name just a few of the benefits of the PrimeLab 1.0 Multi test photometer.

Legipid test kit

Legipid test kit comes with all you need to run Legionella tests, apart from the PrimeLab plastic adapter for 1 ml vials and a filter kit to filter your water sample. Both, adapter and filter kit, is available as accessories. Legipid is offered as a kit of 10, 40 or 100 units. Each test requires just one "ZERO".



1 HOUR LEGIONELLA SPP TEST ON PRIMELAB 1.0 PHOTOMETER
Quantitative (60-10⁶ cfu/l) and certified (Acc.to ISO), Patented
Immuno-Magnetic



High Risk Facilities

Legionellosis is a worldwide health issue. Each year, 6,000 cases are registered in Europe and between 8,000 and 18,000 people are hospitalized in the USA.


























































Mortality rate figures range from 6% to 15% every year, likely to be an underestimation, since many countries are unable to provide mortality figures.

High Risk Facilities Include:

- Cooling towers and evaporative condensers
- Hot water systems with water tanks and return circuits
- Heated water systems with water recirculation through high speed water jets or air injection
- Internal systems for cold water intended for human consumption (pipes, water tanks, cisterns or mobile tanks)
- Hot water systems without a return circuit
- Evaporative cooling equipment which sprays water
- Humidifiers
- Ornamental fountains
- Sprinkler water systems in urban environments
- Fire extinguishing systems that uses water
- Outdoor aerosol equipment that uses water
- Other devices that store water and produce aerosols
- Respiratory therapy equipment
- Respirators
- Nebulisers

Competitors

legipid®
LEGIONELLA FAST DETECTION

	 PLATE CULTURE	 PCR	 CEIA Immunomagnetic capture and enzyme-immunoassay	 FAST-PATH	 PVT-TEST	 PhAST Blue	 Sieve-ID
TECHNOLOGY USED	CULTURE	PCR	CEIA Immunomagnetic capture and enzyme-immunoassay	Immuno-cromatography	CULTURE	V-PCR	IMAGE ANALYSIS (FLUORESCENCE)
TARGET	 <i>Legionella spp.</i>	 <i>Legionella spp.</i>	 <i>Legionella spp.</i>	 <i>L. Pneumophila</i> , SG1	 <i>Legionella spp.</i>	 <i>Legionella spp.</i>	 <i>Legionella spp.</i>
LOD (CFU/l)			40	 10 ⁵ -10 ⁶	 10 ⁴	 NOT REPORTED	 NOT REPORTED
INVESTMENT IN SPECIFIC EQUIPMENT	 HIGH	 HIGH	 LOW	 LOW	 AVERAGE	 HIGH	 HIGH
CONSISTENCY WITH REFERENCE METHOD	REFERENCE METHOD		 95,6 %	 80%	 < 66%	 NOT REPORTED	 81 %
QUANTITATIVE RESULT (YES/NO)							
TIME OF ANALYSIS (h/40 analysis)	 192-288 h	 6-8 h	 1 h	 0,5 h	 48-72 h	 6-8 h	 6-8 h
USER'S REQUIRED QUALIFICATION	 AVERAGE	 VERY HIGH	 LOW	 LOW	 AVERAGE	 HIGH	 HIGH
INTERNATIONAL CERTIFICATION	 ISO	 AFNOR	 AOAC	 NO	 NO	 NO	 NO
THIRD PARTY VALIDATION (YES/NO)	REFERENCE METHOD						
HIGHLIGHTS	OFFICIAL REFERENCE METHOD LATE RESULT - NON-PREVENTIVE USE	ALTERNATIVE METHOD IN FRANCE FREQUENT FALSE POSITIVES	FAST AND RELIABLE	ONLY <i>L. pneumophila</i> serogroup 1	HIGH LIMIT OF DETECTION	SEVERAL OUTSTANDING TECHNICAL ISSUES	LOW ANALYTICAL PERFORMANCE