

1.1.1.

**DOSAControl Mobile laboratory for Legionella measurement**

Mobile laboratory – sample evaluation on site within the hour.



**Product description:**

- The live, active Legionella are genetically „captured“ and attached to magnetic micro bits. The Legionella are separated via magnetic filters and rinses in several steps.
- The bacteria are rendered visible by colour tracers. The quantity of Legionella is then ascertained by means of spectrophotometry and displayed.
- The procedure consists of several process steps, lasting around a total of 60 minutes. Several samples can be processed at the same time.
  - Quantitative results:
    - When analysing a 1000 ml sample, accuracy of 60–106 CFU/1000 ml is obtained.
    - This is the equivalent of 6 CFU/100 ml. Higher accuracies can be achieved by enlarging the sample.
- Benefits:
  - Measurement results are immediately available, after approx. 60 minutes.
  - The 10-day breeding period of the cultures in the incubator is eliminated.
  - The speed of response to any exceedance of threshold values and margin for action between regulatory checks is substantially higher.
- Measurement can be performed on site. This means that any misinterpretation due to transportation, which is limited to 24 h by standards, and the absence of a cooling system can be excluded. The test can be performed with the customer's own instructed personnel.
- Restriction:
  - This method is (still) not recognised by German authorities as a replacement for laboratory measurements via cultures to DIN EN ISO
- N.B.
  - When performing multiple measurements, one extra set of consumables and reagents kit are required for the „clean water“ comparative sample.
  - The sampler's completion of a course to VDI 2047 or accreditation as a laboratory sampler is recommended but not required.

**Areas of application:**

- Inspection of water systems for contamination with Legionella in drinking, cooling and service water (industrial, public, private).

**Ordering data:**

Typ:	Item number:
Mobile laboratory – Legionella Kit (semi-automatic)	89231510
Mobile laboratory – Consumables - Kit hundredfold, 50–99 measurements	92231400
Mobile laboratory – Reagent - Kit 10, for 5 – 9 measurements	92231200
Mobile laboratory – Reagent - Kit 40, for 20 – 39 measurements	92231210
Mobile laboratory – Reagent - Kit 100, for 50 – 99 measurements	92231220

Subject to technical modifications and printing errors. Images may vary slightly from actual product.  
20.10.2020



#### Scope of supply:

##### ■ **DOSAControl Mobile laboratory for Legionella measurement Kit**

filtering with a pump and agitator for up to 20 cuvettes:

- 1 storage and transportation in aluminium case, transport of agitator outside the case
- 1 photometer (detailed description see below Photometer – „Selection by parameter“)
- Small parts, consisting of:
  - 4 x 24 mm / 10 ml glass cuvettes with lid (light protection integrated in the lid)
  - 1 x Luminous lid for 16 mm cabins
  - 1 x 10,5 cm plastic stirring rod
  - 1 x graduated 10 ml plastic syringe
  - 1 x bottle cleaning brush, 1 x microfibre cleaning cloth for vials
  - 1 x 24 mm kitchen adapter (built-in, interchangeable)
  - 1 agitator (shakes the cuvettes), electronic, holds 5 cuvette holders magnetic units for four 10 ml cuvettes apiece, thus 20 x 10 ml cuvettes in total 1 table mat in synthetic fabric for correct placement of cuvette holders, as a template to ensure sufficient spacing between the magnets
  - 4 cuvette holders, magnetic units for four 10 ml cuvettes apiece, addition of small parts for same-time processing of 19 + 1 samples
  - 16 x 24 mm/10 ml cuvette
  - 1 laboratory dropper (0.0 – 1.0 ml)
  - 10 x 60 ml elution beakers
  - 1 filter set with 1 vacuum pump, 1 x 500 ml filtering head,
  - 1 x 1000 ml glass bottle, 1 x tweezers, 1 x scissors, 10 x elution beakers,
- Consumables:
  - starter kit for up to 99 measurements:
    - 100 x 47 mm prefilters, 100 x polycarbonate filters 0.40 µm, 10 x 1 ml dropper heads
- Reagents (not included, see scope of supply for ordering/reagents)

#### Scope of supply: consumables, reagents

##### ■ **DOSAControl Mobile laboratory consumables** (100-fold, 50 ... 99 measurements):

- 80 x pipette attachments for PLSp-PIP1 ml laboratory pipette, 80 x 60 ml elution cup 100 x 47mm GF/C (pre) filter for professional filter equipment, 100 x 47mm 0.40 µ polycarbonate filters for professional filter equipment

##### ■ **DOSAControl Mobile laboratory reagent - Kit 10**

- Kit for measuring Legionella content (spp.) of fluids
- Can be used for min. 5 tests / 5 controls for up to max. 9 tests / 1 control.
- Kit contains:
  - 1 bottle (110 ml) „L0 Diluent“, 10 single doses (1 ml each) „L1 Capture Reagent“, 1 bottle (200 ml) „L2 Washing buffer“, 10 single doses (1 ml each) „L3 Enzyme-labelled anti-Legionella“, 5 x tetra doses (5 ml each) „L4 Enzyme-co-substrates“, 1 bottle (2 ml) „L5 Stopping reagent“,
  - 10 x CB 1 ml cuvettes, 10 x MHCB 9 ml cuvettes, 5 disposable droppers

##### ■ **DOSAControl Mobile laboratory reagent - Kit 40**

- Kit for measuring Legionella content (spp.) of fluids
- Can be used for min. 20 tests / 20 controls for up to max. 39 tests / 1 control.
- Kit contains:
  - 1 bottle (420 ml) „L0 Diluent“, 1 bottle (42 ml) „L1 Capture Reagent“
  - 1 bottle (750 ml) „L2 Washing buffer“, 1 bottle (42 ml) „L3 Enzymelabelled anti-Legionella“, 15 tetra doses (5 ml each) „L4 Enzyme-co-substrates“, 1 bottle (4.4 ml) „L5 Stopping reagent“, 40 x CB 1 ml cuvettes
  - 40 x MHCB 9 ml cuvettes

##### ■ **DOSAControl Mobile laboratory reagent - Kit 100**

- Kit for measuring Legionella content (spp.) of fluids
- Can be used for min. 100 tests / 100 controls for up to max. 99 tests / 1 control.
- Kit contains:
  - 1 x 1050 ml „L0 Diluent“, 1 x 105 ml „L1 Capture reagent“, 2 x 940 ml „L2 Washing buffer“, 1 x 105 ml „L3 Enzyme-labelled anti-legionella“, 35 tetra doses (5 ml each) „L4 Enzyme-co-substrates“, 1 x 11 ml „L5 stopping reagent“, 100 x 1 ml CB cuvettes, 100 x 9 ml MHCB cuvettes

Subject to technical modifications and printing errors. Images may vary slightly from actual product.

20.10.2020