

# Instructions for sampling of drinking water for analyses of *Legionella* spp.

## A. Necessary equipment and general information

- ♦ Two sterile plastic or glass bottles (for one double sample); volume of at least 500 ml. The bottles can be obtained through us.
- ♦ Gas burner or disinfectant (isopropanol, 70%)
- ♦ Thermometer
- ♦ Order of analysis 'Microbiology Water'

## B. Sampling point

Collect the sample from the water tap or shower head which is either furthest from the hot water processing or the least used. In larger buildings, it is reasonable to sample two or more sampling points.

## C. Preparation

- ♦ If possible, collect the samples in the morning, after the water has stood still overnight. If possible, remove any jet control or other devices. Then either flame the water outlet using a gas burner or disinfect it with isopropanol.

## D. Sampling approach

- ♦ First, label the bottle. Next, open the lid without touching the inside of the lid or the bottleneck. Hold the lid in your hand (inside downwards). Fill the bottle with water and close the lid immediately. Never flush the bottle.
- ♦ **First sample (to examine a possible net contamination):** Run the water only for a short time (not more than 3 l). Then fill the bottle immediately (without closing and re-opening the water tap). Immediately after, fill 250 ml of water in a measuring cup and measure its temperature. Record the water temperature.
- ♦ **Second sample (to examine a possible contamination of the boiler):** Let the water run until its temperature is constant before collecting the sample. Record the water temperature again.

## E. Transport of samples

Cool the samples and bring them to our laboratory right away.

## Do you have questions?

Please do not hesitate to call us (00423 233 38 33) or write us an email ([office@labor-matt.com](mailto:office@labor-matt.com)).

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