

Leaflet: Sampling of water for microbiological investigations

For quick and error-free sampling, we ask that you observe the following:

Analytix, sample size and material

- Testing in accordance with the HyV: total plate count, E. coli, enterococci (0.5 litres from the cold water mains).
- Legionella: take samples from the hot water pipe (1 litre).
- UFAG LABORATORIEN provides **sterile 0.5 litre bottles** (unopened and with a shelf life of several months) for sample collection.

Time of sample collection and transportation

The correct time for sample collection is determined by the subject of the investigation, however:

- the cooled water samples should be transported to the laboratory and tested as quickly as possible after sample collection (e.g. by hand-delivery or express post).
- It is particularly useful to assess the quality of spring water and groundwater after heavy rainfall.

Sampling preparation

Carefully and fully complete the UFAG sample survey form, e.g.:

- designation of the sampling point
- water temperature
- observations such as smell, taste, colour, weather conditions
- use a sterile bottle labelled with a permanent marker or stickers.
- clean hands and disinfect if possible.

Sampling from the mains

- remove hoses, filter inserts and seals from water tap.
- clean and disinfect or flame water tap (e.g. using a camping burner).
- allow the water to run for approx. 2 min. (constant temperature).
- ensure a steady stream of water.
- open bottle, fill to bottleneck and close immediately.
- do not touch the bottleneck or inside of the lid.
- avoid contamination from splashes, coughing or sneezing, etc. during sampling.

Sampling from source, water chamber or groundwater well

- allow free falling water to run into bottle.
- in the case of wells, submerge the bottle quickly in the water with the opening pointing downwards and take a sample from approx. 30 cm under the water's surface.
- ensure that there is no contamination during sample collection.
- Samples collected by submersion are susceptible to contamination and therefore require particular care and, under certain circumstances, the use of telescopic rods with clamps or special samplers.



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UFAG LABORATORIEN

Do you have further questions?

Contact us! Our customer service department will be happy to advise you.

Thank you in advance for your order and for putting your confidence in us.

Kind Regards

UFAG LABORATORIEN AG

Note:

This leaflet is a non-binding recommendation from UFAG Laboratorien AG. The method can of course be adapted to suit your own requirements and processes.