



DEMETER
Laboratory

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REF. #

Water Analysis Lab Request Form*

SITE INFORMATION		SAMPLE INFORMATION																
Farm / Business:		Sampling DATE** :																
Site:		1st Sampling TIME :																
Site address:		Sample type: <input checked="" type="checkbox"/> Water																
Sampled by:		Number of samples:																
Owner:		<table border="1"> <thead> <tr> <th>No</th> <th>Description (site, barn, input/output)</th> <th>Sampling time</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> </tbody> </table>		No	Description (site, barn, input/output)	Sampling time	1			2			3			4		
No	Description (site, barn, input/output)	Sampling time																
1																		
2																		
3																		
4																		
Invoicing of sampling bottle: <input type="checkbox"/> Yes <input type="checkbox"/> No Bill to: _____		Source: <input type="checkbox"/> Shallow wells <input type="checkbox"/> Artesian <input type="checkbox"/> Other: _____																
REQUESTED TESTS																		
Physical and chemical analysis (bottle with <u>black</u> cap) <input type="checkbox"/> PROFILE 1 pH, Nitrites/Nitrates, Total Dissolved Solids (TDS) <input type="checkbox"/> PROFILE 2 (evaluation of water lines sanitation) pH, Nitrites/Nitrates, TDS, oxid. red. potential (ORP) Submit 2 samples: water line input and output <input type="checkbox"/> pH only <input type="checkbox"/> Acid Titration With the following acidifier(s): _____		Microbiological analysis (bottle with <u>white</u> cap) <input type="checkbox"/> Total Coliforms and E. coli (This test can not be done on Friday) Comments :																
LAB USE ONLY																		
Date received: _____		By: _____																
Time received:																		
Temperature on receipt:																		
# Lot bottle:		# RMA:																
Conformity:																		

INSTRUCTIONS FOR SAMPLING

When evaluating the quality of drinking water, sampling is important for quality of the results. Please carefully follow these instructions to ensure the reliability of your results. The instructions are taken from the document « Methods for taking and preserving samples for the application of the Regulation respecting the quality of drinking water », from Centre d'expertise en analyse environnementale du Québec.

General precautions for distributed water:

- Use a tap that is not accessible to animals, located inside a building or in a location protected from wind and weather (avoid using outside taps that are used to connect watering hoses).
- Choose a tap without accessories such as vents, screens, rose heads and hoses, or remove these objects before sampling.
- Make sure that cold water is used and that the hot water tap is shut; avoid using single handle taps (flow and temperature).
- Take a water sample that is representative of the drinking water distribution system (use a tap that is not connected to an individual water treatment appliance or system, except if the treatment appliance or system is installed in replacement of a central treatment unit, in accordance with the Regulation respecting the quality of drinking water).
- **Wear gloves** for water sampling.
- **Use only containers provided by the laboratory to take your sample.** Sampling kits are available at Demeter Pharmacy.
- Do not use a sample bottle if seal is broken.
- Make sure water pressure at the tap is reasonable during sampling to avoid splashing and losing the preservatives that are inside the sampling containers.

Sampling instructions for physical and chemical analysis	Sampling instructions for microbiological analysis
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| <ul style="list-style-type: none"> ● Use the bottle with a black cap. ● Let the tap run for 5 minutes before taking a sample in order to ensure that the sample is representative of the water in the distribution system. ● Fill the bottle completely leaving no air gap and close airtight after sampling. | <ul style="list-style-type: none"> ● Use the bottle with a white cap. ● Use a cotton gauze (provided with the sampling kit) soaked in commercial bleach to clean the outside and inside of the spout. ● Let the tap run for 5 minutes before taking a sample in order to ensure that the sample is representative of the water in the distribution system. ● Never rinse laboratory-provided container, because it contains preservatives required for analyses. ● Every care must be taken during sampling to avoid contamination (i.e., avoid inserting fingers or any other object in the container's neck or lid and, when sampling, limit exposure of the container to air). Provided container is sterile. ● Fill the bottle up to the 100 mL fill line and close airtight after sampling. |
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Precautions for preservation and shipping of the sample to the laboratory

- An icepack is provided with sampling kits. Make sure to freeze the icepack upon receipt in order to be ready to use it when you will have to ship a sample.
- Ensure that all containers are closed airtight after sampling.
- If possible, cool samples in the refrigerator before sending them. **The sample must be kept cool between the time it is taken and the time it is received by the laboratory.**
- Put back the bottle in the provided bubble wrap after sampling, then in the zipper bag, which contains the icepack. This ensures that the bottle stays close to the icepack during transport.
- Use an insulated box for shipping to the laboratory (Demeter shipping kit).
- To ensure reliable results, samples must be analyzed within a period of 24 hours. So, if your sample is shipped by carrier, take the sample shortly before the carrier picks the package, or bring the sample to a deposit, knowing that regular parcels reach our laboratory between 2pm and 4pm ("10:30 Express" delivery could be required; ask the laboratory).

* Please note that the Demeter Laboratory does not hold accreditation for drinking water analysis. The result will be emitted as an indication only for your animals.

** **Water sampling can be made only from Monday through Wednesday.** No microbiological analysis can be done on Friday at the laboratory.