

# WATER SAMPLING FOR MICROBIAL & CHEMICAL ANALYSIS

## SAMPLING CHECKLIST

- Marker
- Sample Form
- Sterile glass sampling bottle 300ml (Microbiology)
- 1L plastic sampling bottle (Chemistry)
- Frozen ice packs
- Cooler box

## MARKING OF SAMPLES

It is very important to mark containers clearly with the following information:

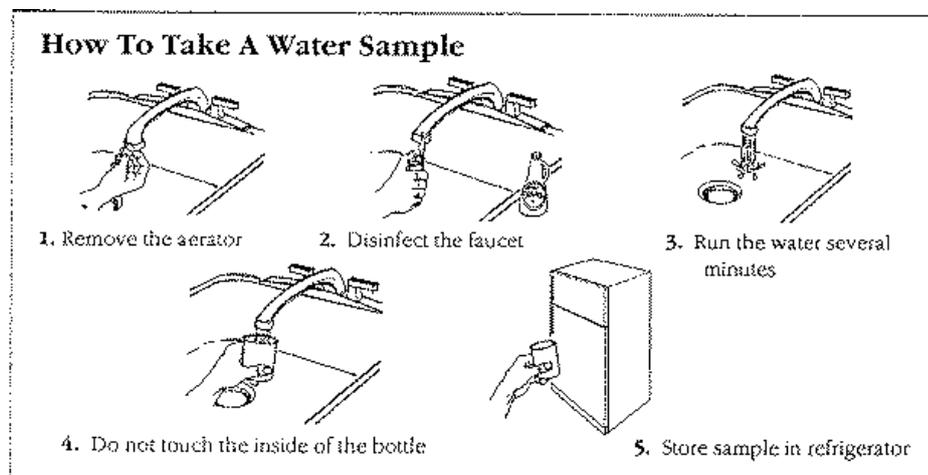
- Sample description
- Sampling date & time

## SAMPLING

Always wash your hands before sampling, to avoid any contamination. Sample bottles should be handled in such a way that the opening of the bottle is not touched. Wear a new set of examination gloves where possible.

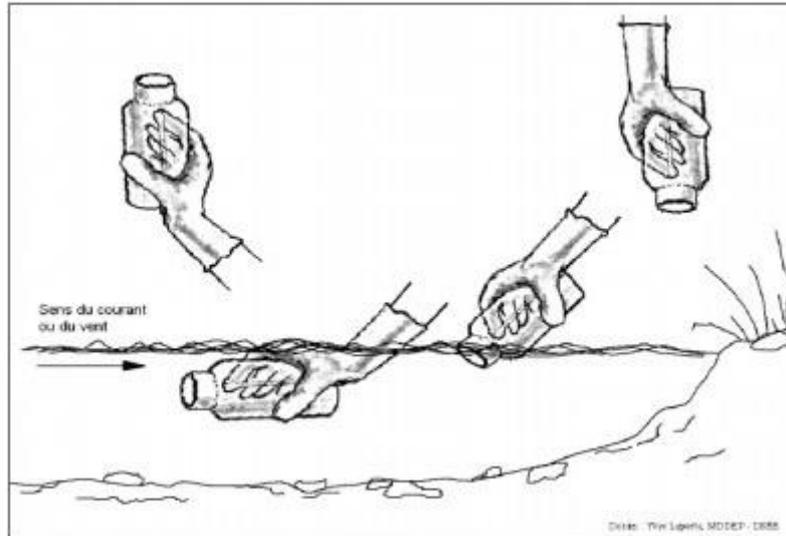
### SAMPLING FROM A TAP:

- Clean the tap from which water is sampled.
- Let the water run for 2-3 minutes.
- Fill the sample container.
- Make sure the container is closed securely.
- Place in a cooler box with ice, and ship to laboratory as soon as possible.



#### **SAMPLING FROM A DAM/RESERVOIR:**

- Submerge the sampling container neck (opening) first into the water.
- Tilt the container upward so that the current fills it with water (push the container forward).
- Lift the container out of the water and replace the cap securely.
- Place in a cooler box with ice, and ship to laboratory as soon as possible.



#### **SAMPLE PRESERVATION & TRANSPORT**

Soon after collection, the characteristics of the sample will start to change. **The faster the sample can be analysed, the more accurate the result.** Therefore, samples need to be kept cold (placed on ice) immediately after collection. Do not freeze sample as this will destroy sample integrity.

#### **WATER SAMPLES FOR MICROBIOLOGY:**

Samples need to reach the lab to be tested within 24 hours of sampling.

Samples for Pork 360 – need to be tested at a SANAS accredited facility. Should reach CS Vet no later than 12 pm on a Friday to be sent for analysis.

Samples for microbial analysis – should reach CS Vet before 12 pm on a Wednesday to be tested in-house, otherwise will be subcontracted.

#### **SAMPLES FOR CHEMISTRY:**

Cooled sample must be tested within 7 days of sampling.

Note:

CS Vet Laboratory will assess the suitability of all samples. Should samples be deemed unsuitable, the client will be informed, and resampling will be requested.