

WATER SAMPLES

***Samples for bacteria and chemical testing **MUST** be submitted in separate containers.

BACTERIAL SAMPLE REQUIREMENTS

- Samples must be submitted in bottles supplied by Horizon Lab.
- Samples must be kept cool, but not frozen.
- Samples must arrive to the lab within 24 hours of sampling.
- Samples must be packed in such a way to minimize potential for breakage. Horizon Lab is not responsible for any costs arising from damage caused to samples prior to receipt in the lab.

BACTERIAL SAMPLING INSTRUCTIONS:

1. If sample is collected from an indoor tap, remove the aerator screen from the end of the tap.
2. Sterilize the end of the tap as follows:
 - a) If the faucet is made of metal, flame it for 20 seconds with a lighter.
 - b) Use either 5.25% bleach or 60% isopropyl alcohol to clean the end of the tap.
3. Allow cold water tap to run for 2 to 3 minutes prior to sampling.
4. Remove the plastic seal from the sterile sample bottle and unscrew the cap (do not touch the inside of the cap or bottle). **DO NOT** rinse the bottle.
6. Fill to the 100-ml line indicated on the bottle.
7. Cap the bottle being careful not to contaminate the cap.
8. Write the date and time of sampling on the bottle label. If submitting more than one sample, clearly identify each sample on the label and the form.
9. Keep the sample cool and submit to the lab.

SAMPLE SUBMISSION

- **BACTERIA** samples can be dropped off Monday to Friday 8:30-4:30 pm. Samples being sent should arrive in the lab no later than Friday 2:00pm.
- **CHEMISTRY** samples can be dropped off Monday to Thursday 8:30-4:30 pm.
- Payment must be made at the time of sample submission. Horizon Lab accepts many forms of payment including: cash, debit, MC, VISA, & cheque. Cheques should be made payable to Horizon Lab. Debit not available if samples sent by mail / courier.

PROCESSING TIME:

- **BACTERIA** sample certificates will be sent to the customer within 7 days.
- **CHEMISTRY** sample certificates will be sent to the customer within 14 days.
- For your convenience, as part of our Go Green initiative, we will provide you with an electronic version of your sample results in lieu of hard copies when an email address is provided.

MILK SAMPLE REQUIREMENTS:

- Samples must be properly identified with supplied barcode labels. These labels must be applied to the vial lids. The vials should be filled to the line indicated on the vial.
- For components, MUN, and SCC tests, samples should have preservative pills (D & F 800 Broad Spectrum Microtabs). If samples are fresh and without a preservative pill, they must be maintained cold, and arrive at the lab $\leq 7^{\circ}\text{C}$.
- For antibiotics and bacteria tests, samples must arrive without preservative pill and must be maintained cold and arrive at the lab $\leq 4^{\circ}\text{C}$. Samples must have identification (ie barcode or producer number, or cow number), and date of sampling. High fat samples (greater than 6.0%) may cause invalid results for Beta Lactam SL-3, Sulfa, and Tetra test.
- Samples must be clean and testable, with no visible debris, particles, or blood. Dirty samples cannot be tested.

CHEMICAL SAMPLE REQUIREMENTS

- **500 ml** of sample is required for chemical tests.
- Samples should be submitted in HDPE bottles supplied by Horizon Lab.
- Samples must arrive to the lab within 36 hours of sampling.
- Samples must be packed in such a way to minimize potential for breakage. Horizon Lab is not responsible for any costs arising from damage caused to samples prior to receipt in the lab.

CHEMICAL SAMPLING INSTRUCTIONS:

1. Allow cold water tap to run for 2 to 3 minutes prior to sampling.
2. Rinse the bottle thoroughly by filling it part way with water, capping it, and shaking it.
3. Repeat rinsing process.
4. Fill the container completely with the sample and tighten the cap.
5. Label the bottle with the date and time of sampling. If submitting more than one sample, clearly identify each sample on the label and form.
6. **500 ml** of sample is required for Chemical tests.

LEGEND

Mi1: WATER QUALITY Calcium, Magnesium, Sodium, Potassium, Manganese, Copper, Zinc, Iron, Nitrates, Nitrites, Chloride, Sulfate, pH, Hardness, Conductivity

Mi1 + HL: Mi1 Water Quality (as above) plus Arsenic, Barium, Boron, Fluoride, Lead, and Uranium.

TM29: TRACE METALS Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Thorium, Uranium, Vanadium, Zinc

MP: SOURCE WATER QUALITY MONITORING Total and Fecal Coliform Bacteria, Conductivity, Chloride, Ammonia, Nitrogen, total Kjeldahl Nitrogen, Nitrate Nitrogen

MW: MONITORING WELL Conductivity, Chloride, Ammonia Nitrogen, Nitrate Nitrogen, Nitrite Nitrogen