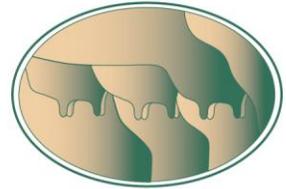


UDDER HEALTH SYSTEMS, INC

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Sampling Procedure

1. **Sample after the milker** is removed or at the end of milking if hand milking. It's generally the least disruptive time to sample, and the teat ends are cleaner.
2. **Bacterial cultures can only be taken directly from the cow** to the sterile sample vial. Samples collected from any other container may give compromised results.
3. **Label the milk vials** with the sample date, the cow ID and quarter, if applicable. We will provide labels that have a place for these pieces of information.
4. **Udders should be clean and dry** to limit debris from contaminating the milk sample. Washing udders is not recommended unless extremely dirty.
5. **Swab each teat end** with a clean alcohol cotton pad. Cotton should be soaked in alcohol, but not dripping wet, just thoroughly damp. You **do not want the teat end dripping with alcohol** at the time of sampling.
 - 1st disinfect the two teats furthest from you, then the two teats closest to you. Be careful not to brush your arm across the teats and contaminate them.
 - Collect several squirts from each teat into the vial. Filling the vial full is not necessary and may crack vial during freezing.
6. **Do not touch inner surface of vial, cap or top, or set the cap down.** A couple of suggested ways to hold the vial are:
 - Grasp the cap (thread end down) with your pinky finger against the palm of your hand and hold the vial upright, or...
 - Grasp the cap in between the thumb and pointer finger and hold the vial upright.
7. Hold the vial at a **45° angle** while collecting milk from the teat. **Do not touch the teat with the open sample vial.**
8. After reattaching the lid, **look for obvious contamination (debris)** in the sample. **Throw away the vial and resample** the cow if the sample is bad.
9. **Freeze samples** for bacterial culturing immediately.
10. **Samples should be shipped overnight** via FedEx or UPS, *not* US Postal Service. Place vials in a clean bag and pack into an insulated shipper with ice packs and packaging to protect the vial(s). **Do not ship on Fridays!**



Finished Product Sampling

1. **Sample should be taken** from milk that is “ready to consume”, i.e. it has been filtered, chilled and poured into the final jar.
2. **Sample pour should be done** on a clean surface, using the larger 50ml vial that came with your intro kit. As before, do not touch the inside of the vial lid or inside of the tube.
3. **Simply pour milk from the jar** into the vial. Avoid touching the jar to the edge of the vial. If working at a kitchen counter or other clean area, the lid may be placed underside up on the counter.
4. **Freeze the sample** with the cow samples and pack and ship as described above.