

Cooler Collection Infographic



Cooler Contents

- Chain of Custody
 - Bottle Summary
 - Bottles & Bottle Labels
 - Cooler Infographic/SDS
 - Cooler Liner Bag
 - Sorbent Pad
 - Paperwork Bag
 - Temperature Blank
- Review the contents of your bottle order with the Bottle Summary sheet prior to sampling.
 - Notify your project manager immediately if there are any discrepancies.



Containers

- The containers provided are pre-cleaned and pre-preserved (where appropriate).
- DO NOT rinse containers before filling.
- Fill containers up to the bottle neck without overflowing.
- Tighten all container lids once sampling is completed and immediately place on ice in cooler.
- DO NOT cover any preservative labels when labeling containers.



Vials

- When filling water vials, add sample slowly until a water dome forms.
- Carefully place the cap on the vial and screw on tightly.
- Invert the vial and tap against the palm of your hand to check for air bubbles.
- If air bubbles have formed, remove the cap and carefully top off the vial with more sample to re-establish the water dome. DO NOT overfill. Cap vial carefully.
- If the vial contains bubbles after topping off, contact your Project Manager to obtain additional vials.



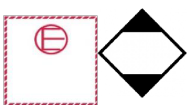
COC & Labels

- Fill out all required information on Chain of Custody (COC) and sample labels.
- Use WATERPROOF INK when filling out all paperwork and labels.
- If applicable, add any Quality Control samples to COC (i.e. Trip Blanks, Field Blanks, Duplicates, Matrix Spike (MS), Matrix Spike Duplicates (MSD), etc.).
- Place all completed paperwork into provided plastic bag and seal before taping to the inside lid of the cooler.



Temperature

- Samples arriving at Sterling Labs must be received at a temperature of 6° Celsius or below.
- Chill your samples immediately after collection.
- Place glass containers into bubble bags and seal before placing inside cooler liner.
- Fill provided cooler liner with wet ice so that all samples are surrounded and evenly chilled. Additional ice may be needed during the warmer seasons.
- Once the samples are covered with ice, tape the bag liner shut. Close the cooler lid and tape generously to avoid any leaking during shipment.



Shipping / Drop-off / Pick-up

- Remove all hazardous labels from cooler before shipping samples.
- Ship samples as quickly as possible after sampling using Next Day Air to ensure samples arrive in lab at the required temperature and within hold times.
- For samples shipping late Thursday/Friday, please coordinate with your Project Manager to ensure weekend delivery is available.
- For sample drop-off, normal business hours are 8 am to 5 pm, Monday through Friday.
- Contact your Project Manager to drop-off outside normal hours.
- Sample pick-ups are available in the Chicagoland area. Contact your Project Manager.

Reagents must always be considered potentially hazardous to health. The reagents may be toxic, corrosive, explosive, and/or flammable. The minimum protection consists of eye protection, latex gloves, and long sleeved clothing. Scan the QR code to access safety information specific to each reagent.

Nitric Acid (HNO₃)



First aid:

Immediately call a POISON CENTER/doctor. IF SWALLOWED: rinse mouth, do not induce vomiting. IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Absorb spillage to prevent material damage.

Hydrochloric Acid (HCl)



First aid:

Immediately call POISON CENTER/doctor. IF SWALLOWED: Make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Do not attempt to neutralize. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse out with plenty of water. Immediately call in an ophthalmologist. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Sodium Hydroxide (NaOH)



First aid:

Immediately call POISON CENTER/doctor. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Sulfuric Acid (H₂SO₄)



First aid:

Immediately call a POISON CENTER/ doctor. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Sodium Bisulfate (NaHSO₄)



First aid:

Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Never give anything by mouth to an unconscious person. Rinse mouth with water. IF ON SKIN: Wash off with soap and plenty of water. IF IN EYES: Rinse thoroughly with plenty of water for at least 15 minutes. IF INHALED: Move person into fresh air. If not breathing, give artificial respiration.

Methanol (MeOH)



First aid:

Immediately call a POISON CENTER/doctor. IF SWALLOWED: Do NOT induce vomiting. Immediate medical attention is required. Never give anything by mouth to an unconscious person. IF ON SKIN: Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use. IF IN EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Use oxygen as required, provided a qualified operator is present.

Sodium Hydroxide with Zinc Acetate



First aid:

Immediately call a POISON CENTER/doctor. IF SWALLOWED: Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Monochloroacetic Acid (MCA)



First aid:

Immediately call a POISON CENTER/doctor. IF SWALLOWED: Rinse mouth Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing