

Total Coliform & E. Coli

State Environmental Laboratory Services Oklahoma Department of Environmental Quality

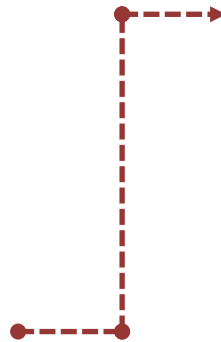


Sampling Guide for the Collection of SM 9223B Total Coliforms and E. Coli

PRIOR TO COLLECTION

- Plan enough time to complete sampling; samples must be returned within **28 hours** of collection
- Ensure the Sample Kit has the following items:
 - Chain of Custody form
 - one 100mL plastic bottle with preservation (white pill/white powder)
 - one barcode label (if applicable)

NOTE: Do not touch the inside of the lid or bottle for possibility of contamination.



SAMPLE REJECTION

Samples will be rejected (not analyzed) if any of the criteria below is met:

- form is incomplete, illegible, or missing
- bottle is not labeled appropriately
- insufficient amount (<100mL) of sample collected
- sample is not received within method holding time of **28 hours. Do not ship on a Friday or weekend.**
- sample is not received in the DEQ provided 100mL plastic bottle
- sample is frozen
- damaged beyond usability

SAMPLE COLLECTION

1. Remove the aerator from faucet. Only utilize two handled faucets. **Do not use single handle faucets, outside taps, or frost free hydrants (See figure below).**



NOTE: Only use COLD side faucet.

2. Clean the cold faucet threads inside and out with at least a 10% bleach solution.
3. Turn cold faucet on and allow to run for 5 minutes.
4. Reduce flow to slow, steady stream.
5. Open bottle by removing sterility seal from lid.
 - Do not touch inside of lid or bottle.
 - Do not remove the white pill/powder inside bottle
6. Fill the bottle slightly above the 100mL fill line (See figure on the right). Do not fill to the top of the neck.

7. Replace cap tightly onto bottle. Do not over tighten; this could result in broken lid or bottle.
8. Vertically place provided bar code label on bottle. If a label is not provided, label bottle (not lid) using permanent ink with; date and time (a.m./p.m.) collected, collector, sample location (kitchen/bathroom sink, etc.).
9. Complete the Chain of Custody.
10. See back for "Sample Delivery" details.

*Drinking Water Standard for Total Coliform is set at zero (<1.0) or absent.

Maximum - Fill Volume

Minimum -100ml Fill Line



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SAMPLE DELIVERY

COURIER

Sign and date each Chain of Custody form before mailing. Place forms in the provided shipping container with your sample(s). If using a courier, i.e. FedEx, UPS, etc., address your label as the following;

Oklahoma Department of Environmental Quality
State Environmental Laboratory
707 N. Robinson
Oklahoma City, OK 73102

For USPS shipments, address your label as the following:
Oklahoma Department of Environmental Quality
P.O. Box 1677
Oklahoma City, OK. 73102

PERSONAL DELIVERY

The person delivering samples will sign all Chain of Custody form(s) at the receiving window of the DEQ Sample Management Unit located through the door on the northeast corner of the building. Hours of operation are Monday – Friday 8:00 am to 4:30 pm except on state holidays.

For collection assistance or questions, scan the QR code to the right to view the instructional video.



**Need
Help?**

For questions about the analytical prices and fees, scan the QR code to the right, or visit the SEL's page of the DEQ's website at www.deq.ok.gov



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For further assistance or concerns, call 405-702-1000 or email us at selsd@deq.ok.gov

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SEL-Customer_Assistance/Instructions for Private - Total Coliforms: 8999-GUI30-R02-102324