

Domestic Well Testing



For private homeowners or Realtors looking for domestic well testing analysis, Western Environmental Testing Laboratory (WETLAB) offers an all-inclusive comprehensive drinking water analysis service available in Nevada & California. For questions, call us Monday - Friday from 8 am - 6 pm at (775) 355-0202.

This packet is also available online at wetlaboratory.com/domestic-well-testing

What is the Domestic Well Suite?

The Domestic Well Suite is a comprehensive list of contaminants that includes anions, heavy metals, and bacteria testing. To maintain optimized laboratory processing, we are unable to add or remove tests.

How much does it cost?

\$600 including all analytical fees.

Payment is due with sample submission. We accept payment via Check or Credit Card (Visa and Mastercard- will incur a 4% CC Processing Fee).

When do I get my report?

You can expect to receive your analysis reporting results via email within our standard 10 business day turnaround time. Results cannot be expedited.

How do I collect water samples?

You will be provided materials and instructions at no additional cost. Materials can be picked up from any WETLAB location Monday - Friday. Materials can be shipped with a \$100 deposit and the client will be charged for the cost of shipping.

Materials Include:

- Sample Collection Instructions
- 1 Liter Amber Plastic Bottle (Contains No Preservatives)
- 500 mL Plastic Bottle (Contains No Preservatives)
- 125 mL Plastic Bottle (Contains Sodium Thiosulfate)
- Pair of Gloves
- Chain of Custody Form
- Upon Request: Cooler and Ice Packs

What do I do once I have collected my water samples?

Samples must be delivered within 24 hours of collection on Monday - Thursday. Samples will be rejected if delivered on Friday or the day before a holiday. Please call the lab before sampling if sampling the week of a holiday. The samples must be in cooler on ice (using wet ice or ice packs) when delivered to the lab.

Sparks • (775) 355-0202
475 E. Greg Street, Ste 119
Sparks, NV 89431
Mon - Thurs 8 am - 6 pm

Elko • (775) 777-9933
1084 Lamoille Hwy
Elko, NV 89803
Mon - Thurs 10 am - 4 pm

Las Vegas • (702) 475-8899
3230 Polaris Ave. #3 + 4
Las Vegas, NV 89102
Mon - Thurs 8 am - 4 pm

What do my results mean?

Visit wetlaboratory.com/resources for links to resources that may assist you in interpreting your results.

Domestic Well Suite

Parameter	State MCL*	Units
Total Alkalinity	N/A	mg/L as CaCO ₃
Bicarbonate	N/A	mg/L
Carbonate	N/A	mg/L
Chloride	400	mg/L
Color	15	cu
Fluoride	4.0	mg/L
Nitrate Nitrogen	10	mg/L
Nitrite Nitrogen	1	mg/L
Nitrate + Nitrite Nitrogen	10	mg/L
pH	6.5 - 8.5	SU
Sulfate	500	mg/L
Total Dissolved Solids	1000	mg/L
Arsenic	0.01	mg/L
Calcium	N/A	mg/L
Copper	1.3	mg/L
Iron	0.6	mg/L
Magnesium	125	mg/L
Manganese	0.1	mg/L
Potassium	N/A	mg/L
Sodium	N/A	mg/L
Zinc	5.0	mg/L
Barium	N/A	mg/L
Boron	N/A	mg/L
Silica	N/A	mg/L
Electrical Conductivity	N/A	µS/cm
Total Coliform	0	/100mL
Hardness	N/A	mg/L as CaCO ₃

* Maximum Contaminant Level

Guide to Good Sampling

If you have questions regarding your sample collection, please call us Monday - Friday from 8 am - 6 pm at (775) 355-0202.

The below information is an overview on good sample collection practices. For analysis specific sampling instructions, please visit WETLaboratory.com.

Large 1 Liter Amber
Plastic Bottle
+
Medium 500 mL Clear
Frosted Plastic Bottle

Collection Procedure

- 1 Use the bottle provided by the laboratory to collect the sample.**
For bottles with preservatives:
Vial- Remove vial from bottle.
Powder, Pellets, Acid- Keep inside of the bottle. Do not rinse.
- 2 Select an appropriate location to take the sample.**
For Domestic Well testing, use the kitchen or bathroom sink.
 - Remove aerators, screens, or filters.
 - Turn on tap on cold water side
 - Run water for 15 minutes
- 3 Fill the bottle with the sample.**
- 4 If bottle contains a vial: After the sample bottle is filled, empty the contents of the vial into the bottle.**
Do not overflow. Dispose of the vial.
Do not place back in bottle or reuse.
- 5 Label your bottle with water repellent ink. Fill out your Chain of Custody (COC).**
- 6 Place bottle in a cooler on ice.**
Coolers and ice packs/blue ice are available from the lab upon request.
- 7 Deliver collected samples with the Chain of Custody to your local WETLAB as soon as possible. Some analyses are time sensitive.**

Sparks • (775) 355-0202

475 E. Greg Street, Ste 119
Sparks, NV 89431

Elko • (775) 777-9933

1084 Lamoille Hwy
Elko, NV 89803

Las Vegas • (702) 475-8899

3230 Polaris Ave. #3 & 4
Las Vegas, NV 89102

Preservation Methods

Unique analyses require different types of preservatives that range from corrosive materials to de-chlorinating agents to dilute acids. Preservatives assist in extending hold times and are necessary per method requirements. For your safety, please handle bottles with care.

Preservatives are provided as **powder, pellets, or acids** inside of the bottle or as non-reactive plastic **acid vials** placed inside of or taped to the outside of the bottle.

Used acid vials can be disposed of or returned to the lab for disposal.

Labeling Bottles

Label bottles using **water repellent ink**, such as a permanent marker. Completely fill out each label.

Handling of Samples



Samples should be received by the lab at 2°-6°C (35°-42°F) and must be on ice.

Exception: Samples for metals and radionuclide analysis do not need to be kept cold.

- Wet ice is recommended, but ice packs can be used.
- During hot summer temperatures use wet ice, not ice packs/blue ice, to cool samples to avoid rejection.
- Requirements from state regulatory agencies may cause samples outside of 2°-6°C to be rejected.
- Fecal bacteria and total coliform bacteria samples are not accepted on Fridays or the day before a holiday.

Delivering Your Samples

- Drop samples off at your local WETLAB Monday through Friday. Operating hours vary by location.
- Ship samples to our Sparks, Elko, or Las Vegas labs.
- WETLAB's Courier Service picks up samples and delivers bottle kits throughout Nevada and California for an additional fee. For pricing and to coordinate a pickup, please speak to your WETLAB representative.

Colilert Sampling Instructions

Small 125 mL
Clear Plastic
Bottle with Sodium
Thiosulfate

The Colilert Test detects total coliforms and E. coli in water. If you have questions regarding your sample collection, please call us Monday - Friday from 8 am - 6 pm at (775) 355-0202.

Colilert Collection Procedure

- 1 Use the sterile bottle provided by the laboratory to collect your sample.**
 - Contains the powder preservative Sodium Thiosulfate. Do not rinse out the powder.
- 2 Select an appropriate location to take the sample. An end-use point is best, such as a kitchen sink or bathroom sink.**

To avoid contamination:

 - Hands should be cleaned. If possible, wear gloves.
 - Remove aerators, screens, or filters.
 - Sterilize the faucet with a flame, such as a lighter.
- 3 Turn on the water on the cold water side. Let the water run for 15 minutes.**
 - Water flow should be at the diameter of a pencil.
 - If the water has not been run in over a month, run the water for 25 minutes before sampling.
- 4 Remove the plastic seal and unscrew the bottle cap. Hold the cap in your clean and/or gloved hand. Do not set it down.**
- 5 Place the bottle under the running water. Fill to just above the 100-mL fill line.**
 - Leave head space (air) in the container.
 - Do not overflow the container.
- 6 Secure the cap on the container.**
- 7 Fill out the bottle's label with water repellent ink. Fill out your Chain of Custody (COC) form.**
- 8 Place the sample in a cooler on ice. Keep away from direct sunlight and extreme temperatures.**
- 9 Deliver to your local WETLAB within 24 hours.**

Plan ahead: These samples are not accepted on Fridays or the day before a holiday.

Samples May Be Called Invalid and Rejected If:

- Sample volume is less than 100-mL.
- The bottle has no head space (air).
- The sample is frozen.
- Received past 30 hours of collection.
- The sample has confluent growth.
- Residual chlorine concentration is >4 mg/L.

Deliver Your Samples

Samples must be received by the lab on ice within 24 hours of collection time at a temperature of 2°-6°C (35°-42°F). Fecal bacteria and total coliform bacteria samples are only accepted Monday through Thursday.

These samples will not be accepted on Fridays or the day before a holiday. If sampling during the week of a holiday, please contact your lab prior to sampling.

It is the client's responsibility to ensure shipped samples arrive within 24 hours of collection time or the samples may be rejected.

WETLAB's Courier Service may be able to pick up your sample for an additional fee. For pricing and to coordinate a pickup, please speak with your WETLAB representative.

Sparks • (775) 355-0202
475 E. Greg Street, Ste 119
Sparks, NV 89431

Elko • (775) 777-9933
1084 Lamoille Hwy
Elko, NV 89803

Las Vegas • (702) 475-8899
3230 Polaris Ave. #3 & 4
Las Vegas, NV 89102



Samples must be delivered Monday through Thursday within 24 hours of collection time in a cooler on ice, wet ice or ice packs, at a temperature of 2°-6°C (35°-42°F).