

CLIENT INFORMATION

Sample location:

Name: _____

Address: _____

City, State, Zip: _____

Phone: _____ Fax: _____

Return address for report:

Name : _____

Address : _____

City, State, Zip : _____



Environmental Testing Laboratory
245 S. Grape Street, Medford, OR 97501
(541) 770-5678 fax (541) 770-2901
ORELAP 100016 EPA OR00028

Bottle#: _____

Lab Sample ID#: _____

Sample Collection Date/Time: _____ / _____ / _____ : _____
Month Day Year Hour Min AM PM

Collected By: _____

Faucet Location: _____

Water Source: Spring Well Stream Other: _____

Treatment: None Ioninator UV Light Other: _____

Chlorinator Free Chlorine: _____ mg/L

LAB USE ONLY

Sample Received: _____ / _____ / _____ : _____ Initials: _____ Temp _____ °C On Ice? Yes No
Month Day Year Hour Min AM PM

Payment Method: Cash Visa/MC Check # _____ Amount _____ Invoice

Analysis Start Date/Time: _____ / _____ / _____ : _____ Initials: _____
Month Day Year Hour Min AM PM

ORELAP Method(s): SM 9222 B (MF) 9221F

Check all that apply. SM 9223 Colilert® Colilert-18® Other: _____

Results do not meet NELAC Standards because: Other: _____

Not received in lab-supplied bottle Not incubated at proper temperature _____

Test Results:

Total Coliforms: Present Absent

E. coli: Present Absent

Analysis Complete Date/Time: _____ / _____ / _____ : _____
Month Day Year Hour Min AM PM

Analyst: _____

Review by: _____ / _____ / _____
Month Day Year

Reported By: _____

Report Date: _____ / _____ / _____
Month Day Year

Sample Invalidation:

over 30 hours

leak

heavy non-coliform growth

other: _____

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAC unless otherwise noted. This report shall not be reproduced, except in full, without written consent of this laboratory.

MICROBIOLOGICAL ANALYSIS – COLIFORMS SAMPLING INSTRUCTIONS AND TEST INFORMATION

Proper sampling techniques are extremely important in obtaining accurate water quality information. Use only sterile sample containers provided by Neilson Research Corporation. DO NOT remove the cap from bottle until ready to fill. DO NOT rinse the sample container. It contains a small amount of powdered sodium thiosulfate as a preservative.

SAMPLING INSTRUCTIONS

- Use only sterile sample bottle provided by NRC. Do not use if bottle is open or damaged, or if sterile neck wrap is broken or missing.
- Select a tap that is frequently used, but avoid the kitchen sink faucet if possible. Remove any aerators, hose attachments, or purification devices.
 1. Allow the water to flow full force for 3-5 minutes.
 2. Turn water down to pencil-size stream and allow it to run for another 1-2 minutes.
 3. Remove and dispose of plastic neck wrap. Note the 100 mL and 120 mL marks on the sample bottle. The white powder must remain in the container. DO NOT RINSE THE CONTAINER.
 4. Carefully open the bottle, keeping hands away from the inside of the cap, bottle, and the bottle rim. If you must set the cap down during sample collection, take care to protect its sterility.
 5. Fill the container until water level is between the 100 mL and 120 mL lines on bottles. DO NOT UNDERFILL. A minimum of 100 mL sample is required. If overfilled, DO NOT POUR OUT EXCESS. If the sample is above the 120 mL fill line, there may be an additional charge to adjust the volume.
 6. Replace cap on container and place in a cooler with ice for transport.
 7. Complete top half of the form enclosed with the container. Legibly print your name and mailing address in the lower box as it will appear in the window of the return envelope.
- Sample must be received within 24 hours after sample is taken. All samples must be kept cold and brought to the laboratory in a cooler and on ice. Samples that are too warm may be refused.
- Analysis time is 24 hours, and the results will be mailed directly to the address noted in the lower portion of the report form.
- Rush analysis (18 hours) is available at an additional charge.

Total Coliform Bacteria and *E. coli*

The Total Coliform Bacteria test is the standard microbiological test of the sanitary quality of drinking water. The EPA states that good drinking water should not contain any coliform bacteria.

There are primarily 18 different bacteria which make up the group known as “coliforms.” In most cases, coliform bacteria are not harmful. However, if these bacteria are found in your water supply, this indicates that other disease-causing bacteria may enter through the same pathway and be present in your drinking water. If coliform bacteria are found, the water supply is considered a potential health hazard and is classified as UNSAFE for human consumption. This test does not indicate whether the water is chemically safe to drink.

***E. coli* Bacteria**

This test differentiates between *E. coli*, a fecal coliform found in the intestines of warm-blooded animals, and coliform bacteria from other sources. Drinking water contaminated with *E. coli* is considered an **EXTREME HEALTH HAZARD.**

Treatment

If your water system fails the bacteriology test, we recommend that you resample from another sample point, or perform a “batch chlorination” of your well and distribution system. For further information or chlorination instructions, please visit our website at www.nrclabs.com.