



Water Quality Check Kit



Each test vial set contains:

- 6 x 2mL Total Bacteria + Fungi
 - 6 x 2mL *E. coli + faecal coliform*
- } = 6 complete tests

E|Line™ Water Quality Check Kit is designed as a waterline cleaning efficacy indicator. Ideal for use with E2O™ Dental Waterline Treatment and most waterline cleaners. Check with Germiphene regarding testing compatibility with your waterline cleaner.

*E|Line™ is not a substitution in areas where the government requires drinking water testing to be done at a certified lab.

- **Total Bacteria + Fungi Test Vials (Blue):** Test for bacteria and/or fungi in your dental waterline system, based on the detection limit of 200 cfu/mL.
- ***E. coli + faecal coliform* Test Vials (Yellow):** Test for the presence of *E. coli* and/or faecal coliforms, such as *Klebsiella*, based on the detection limit of 1 cfu/mL.

Waterline Testing

What to Test? Water samples should be taken from water sources used during patient treatment: handpieces, air/water syringes, ultrasonic and/or piezo scalers, and the cuspidor cupfill. Attachments should be removed when possible.

When to Test? Water testing should be done at the beginning of the day; after the waterlines have been flushed, but before the handpieces, air/water syringes, and scalers have been reattached, as per manufacturer's instructions.

How Often to Test? Follow manufacturer's instructions for testing; in the absence of manufacturer recommendations, follow E|Line™ Routine Testing.

E|Line™ Routine Testing

Monthly

- Monthly testing of each line/source, including cuspidor cupfill, upon installation or noticeable change in water quality
- After 3 consecutive months of negative test results, frequency of testing can be decreased to quarterly

Contaminated (positive) water test result:

If the E|Line™ water test produces a contaminated result (see Results Chart), perform a shock treatment and retest the line/source. Continue to shock and then retest until the water line/source produces clean water, negative test results under the appropriate detection limits. Temporarily increase the frequency of testing from quarterly to monthly for at least 3 months. After 3 consecutive months of negative test results, under the appropriate detection limits, return to quarterly testing.

Directions for Use

Sample Testing

Water samples should be collected according to the following procedures. Deviation from the below steps could cause cross contamination or contamination of the samples, possibly yielding false positive or false negative results.

1. Don gloves to eliminate the chance of contaminating samples.
2. Select one total bacteria + fungi test vial (blue) and one *E. coli + faecal coliform* test vial (yellow). Note: 2 vials are required to test each line/source.
3. Use a Sharpie® marker to label test vials if you are testing various sources simultaneously.
4. Remove cap from the total bacteria + fungi test vial. Be sure not to touch the inside of the test vial or the inside of the cap as this could result in a contaminated sample. Fill vial to capacity with water from your water line/source. Recap vial. Shake vial vigorously 10–30 times to ensure proper mixing. The vial water will turn **blue**. Repeat for the *E. coli + faecal coliform* vial using the same sample line/source. This vial water will turn **yellow**. Do not reopen test vials after sealing. Note: *If there is an immediate colour change in either vial, other than the expected blue or yellow, do not proceed with testing as results will be inaccurate. Immediate colour change indicates your water source is out of range for testing.*

Incubation

5. Place test vials in a dry block incubator at: 37°C (+/- 2°C) for 24 hours (+/- 4 hours). Note: *The test's sensitivity will increase with time. The longer the vial incubates after the recommended time, the more sensitive the vial media becomes. This means the results are no longer reflective of their detection limits. The vial colour may continue to change indicating a positive contaminated result but at a much lower detection limit.*

**During a boil water advisory, continue to incubate only the *E. coli + faecal coliform* test vial for an additional 24 hours (total 48 hours) to ensure the absence of faecal coliforms.*

Recording

6. After incubation period, immediately compare the colour within the test vials with E|Line™ Results Chart and record findings.

Disposal

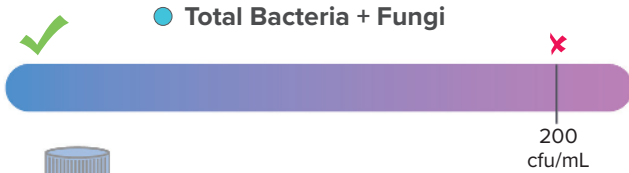
7. Sterilize used test vials in the autoclave. Do not place E|Line™ vials in a pouch/cassette which contains instruments. Sterilized vials are safe to dispose in the trash. To recycle components, empty sterilized contents prior to disposing of them in the recycling bin.

Storage Do not store vials in direct sunlight.

Version en français disponible au:

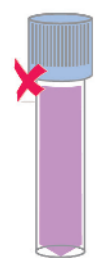
<http://germiphene.com/product/eline-complete-control/>

E|Line™ Water Quality Check | Results Chart



- Negative Result	Clean Water
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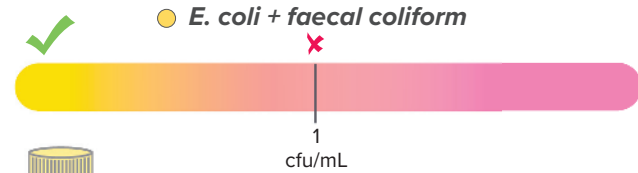
BLUE. No colour change indicates water line/source contains bacteria or fungi under the detection limit of 200 cfu/mL.



+ Positive Result	Contaminated Water
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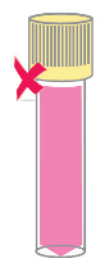
PURPLE. Positive results indicate the presence of bacteria and/or fungi in your water line/source at or over the detection limit of 200 cfu/mL.

Required Action: Perform a shock treatment, using E2O™ or another compatible shock treatment. Retest water line/source before use. Only use this water line/source after test results are negative, under the detection limit of 200 cfu/mL.



- Negative Result	Clean Water
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YELLOW. No colour change indicates water line/source contains *E. coli* or *faecal coliforms* under the detection limit of 1 cfu/mL.



+ Positive Result	Contaminated Water
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PINK. Positive results indicate the presence of *E. coli* and/or *faecal coliforms* in your water line/source at or over the detection limit of 1 cfu/mL.

Required Action: Do not use this water line/source. The presence of *faecal coliforms* in water always indicates potentially dangerous contamination requiring immediate attention. Reference your local guidelines for corrective action. Retest water line/source before use. Only use this water line/source after test results are negative, under the detection limit of 1 cfu/mL.

E|Line™ Water Quality Check | Record

Test Vial Type	START Test Date & Time	Source	- Negative Result = Clean Water	+ Positive Result = Contaminated Water	Notes
● Total Bacteria + Fungi		1	<input type="checkbox"/>	<input type="checkbox"/>	
● E. coli + faecal coliform			<input type="checkbox"/>	<input type="checkbox"/>	
● Total Bacteria + Fungi		2	<input type="checkbox"/>	<input type="checkbox"/>	
● E. coli + faecal coliform			<input type="checkbox"/>	<input type="checkbox"/>	
● Total Bacteria + Fungi		3	<input type="checkbox"/>	<input type="checkbox"/>	
● E. coli + faecal coliform			<input type="checkbox"/>	<input type="checkbox"/>	
● Total Bacteria + Fungi		4	<input type="checkbox"/>	<input type="checkbox"/>	
● E. coli + faecal coliform			<input type="checkbox"/>	<input type="checkbox"/>	
● Total Bacteria + Fungi		5	<input type="checkbox"/>	<input type="checkbox"/>	
● E. coli + faecal coliform			<input type="checkbox"/>	<input type="checkbox"/>	
● Total Bacteria + Fungi		6	<input type="checkbox"/>	<input type="checkbox"/>	
● E. coli + faecal coliform			<input type="checkbox"/>	<input type="checkbox"/>	