

Real-Time Water Testing Powered by DNA



ANDalyze™ technology powered by DNA

ANDalyze has designed heavy metals testing technology into a hand-held, ruggedized instrument for field testing of water supplies that gives highly accurate readings in seconds that meet US EPA standards. This product is a breakthrough in efficiency, testing accuracy and ease-of use. It requires no special skill or knowledge of chemistry to operate. And no hazardous materials or harmful reagents are required. In addition, individual tests are a fraction of today's cost, allowing for more frequent testing and reduced testing complexity.

EPA Award winning technology - Meets EPA testing requirements

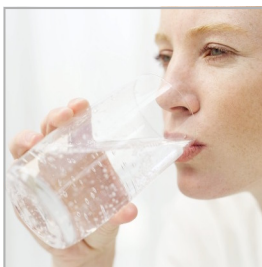
The **AND1000 Fluorimeter** enables field testing to be done in one step, eliminating or significantly reducing test expenditures, complexity and wait times experienced in traditional heavy metals water testing.

Simple, on-site detection & analysis of toxic metals in water

The **AND1000™ Fluorimeter** uses an extremely sensitive measurement technique to determine the toxicity levels of heavy metal contamination. ANDalyze's proprietary Catalytic DNA sensors use a DNAzyme reaction mechanism that fluoresces in the presence of a target contaminant substance such as lead. The fluorescence of the reaction is measured to determine the toxicity of the target heavy metal and is reported in parts per billion (ppb). Using the product to test for lead is a simple, quantitative test that allows for detection of lead at or below EPA standards for lead in drinking water. The test is performed by taking a 1 milliliter water sample, injecting it through the sensor housing, and into a culture tube. This sample is then automatically analyzed by the fluorimeter. Quantitative results are reported in less than two minutes.

Requires no knowledge of chemistry to use effectively

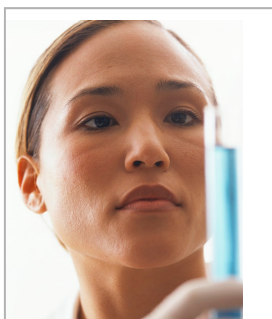
Drinking Water



Waste Water



Pharmaceuticals



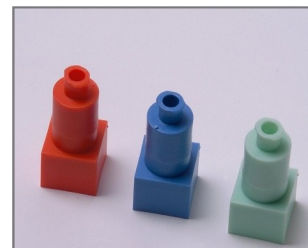
Heavy Metals Testing in the Palm of Your Hand

- Test results in under two minutes
- No special knowledge of chemical testing required
- Highly sensitive and selective
- Each test is a fraction of the overall cost of other comparable testing methods
- No harmful reagents, environmentally friendly
- One instrument for multiple heavy metal contaminant testing needs

AND1000 Fluorimeter & Sensor Kit



Color-Coded Heavy Metal Sensors



Features

Rugged & Convenient Construction

Tough, light weight, impact-resistant shell protects electronics and sensors.

Water Resistant

Enclosure rating - IP54.

Fluorescence Based Sensing

DNAzyme reaction produces quantitative results.

Sensor Housing & Culture Tube

Each disposable color-coded sensor housing is designed for a specific heavy metal test target. Kits provide culture tubes, syringes and sample vials.

Key Pad

Quick, simple menu navigation and one button push for sample analysis.

Portable

Battery operated and rechargeable through USB cable or traditional adapter.

Video Training

Embedded instructional video trains users



without documentation.

Data Capture & Reporting

Time and date stamped with sample number. Data downloadable through a USB cable.

The sampling kit includes the AND1000 Fluorimeter , a sensor housing, culture tube, sample vial and syringe.



After the water sample is injected through the sensor housing, the cover is closed and the sample button is pressed.

No special training needed. The AND1000 Fluorimeter samples for about two minutes, and reports any target contaminant detected in parts per billion concentrations. The sample is automatically date/time stamped and assigned a sample number.



The data can be downloaded through a USB cable for further interpretation and/or backup/audit-trail purposes.

Feature Comparison	ANDalyze™	Leading Competitor
Ease of Use	4 piece kit, just one step	16 pieces with 16 steps
Real time testing	< 2 minutes	> 13 minutes
Portable	✓	✗
Accuracy	15 ppb	15 ppb
Multiple on-site testing	✓	✗
Field software up-gradeable	✓	✗
Cost	Fluorimeter provided with volume purchase of sensors	> \$6000

Heavy Metal	Product Number	Availability
Lead	Lead100	2009
Uranium	Uranium100	2009
Copper	Copper100	2010
Mercury	Mercury100	2010
Cadmium	Cadmium100	2010
Silver	Silver100	2010

Get more information online at



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Test for Heavy Metals in Under Two Minutes

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