

Real-Time Water Testing Powered by DNA

ANDalyze® Technology Powered by DNA

ANDalyze has designed a hand-held, ruggedized instrument for field testing of heavy metal contaminants in water supplies that gives highly accurate readings in seconds and meets 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, this solution reduces overall testing costs by reducing testing time and complexity.

EPA AWARD WINNING TECHNOLOGY - MEETS EPA TESTING STANDARDS

The **AND1000 Fluorimeter** enables field testing to be done in two short steps, 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 levels of heavy metal contaminants. ANDalyze's proprietary Catalytic DNA sensors use a DNAzyme reaction that fluoresces in the presence of a target contaminant substance such as lead. The fluorescence of the reaction is measured to determine the concentration 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, and into the AND1000 fluorimeter. This sample is then automatically analyzed and reports results in less than one minute.

REQUIRES NO KNOWLEDGE OF CHEMISTRY TO USE EFFECTIVELY



Drinking Water



Water Treatment



Environment



Food Industry



Heavy Metals Testing in the Palm of Your Hand

- **Test results in under one minute**
- **Tests drinking water, environmental water and industrial waste water**
- **No special knowledge of chemical testing required**
- **Highly sensitive and selective**
- **No harmful reagents, environmentally friendly**
- **One instrument tests for multiple heavy metal contaminants**

AND1000 Fluorimeter & Sensor Kit



Color-Coded Heavy Metal Sensors



Features

Fluorescence Based Sensing

DNAzyme reaction produces quantitative fluorescence based results.

Sensor Kit

Each disposable color-coded sensor is designed for a specific heavy metal test target. Kits provide sampling tubes, syringes and cuvettes.

Rugged & Convenient Construction

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

Key Pad

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

Data Capture & Reporting

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



Water Resistant

Enclosure rating - IP54.

Portable

Battery operated and rechargeable through USB cable or traditional adapter.

Video Training

Embedded instructional video trains users without documentation.

Easier, faster and less costly to operate

The sensor kit includes the AND1000 Fluorimeter, a sensor, sampling tube, syringe and cuvette.



Just two steps!

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

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

Downloadable data. The data can be downloaded through a USB cable.



Free Software Upgrades

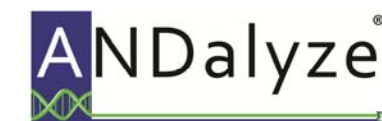
Software upgrades for future sensor releases are easy via over the internet download directly to the device.

Feature Comparison	ANDalyze™	Leading Competitor
Ease of Use	5 piece kit, just 2 steps	16 pieces with 16 steps
Real time testing	< 1 minutes	> 13 minutes
Portable	✓	✗
Lower limit	1 ppb	<15 ppb
Multiple on-site testing	✓	✗
Field software upgradeable	✓	✗

Heavy Metal Sensors Availability

Heavy Metal	Product Number	Availability
Lead	Lead100	Available
Uranium	Uranium100	Available
Copper	Copper100	Available
Mercury	Mercury100	Available
Zinc	Zinc100	Available
Cadmium	Cadmium100	2013
Chromium	Chromium100	2013
Arsenic	Arsenic100	2013

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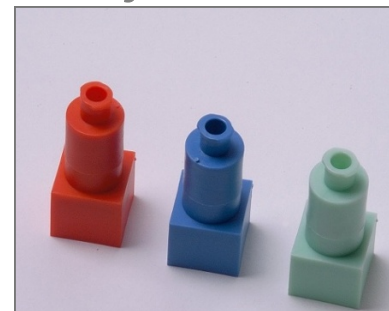


One Minute Test for Heavy Metals

Lead
Copper
Mercury
Uranium
Zinc



DNAzyme Sensors



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