



## ACUSTRIP® Arsenic Check™ 481396 / 481297 / 481298 Specifications

**Economy** makes our original arsenic field test kit a great solution without the sacrifice. Third party laboratory test results prove our patent pending tests to be reliable and accurate.



### Arsenic Check

481396 100 Tests  
 481396-2 2 Tests  
 12-Minute Test Time  
 Sensitivity / Range:  
 0, 0.005, 0.01, 0.02, 0.04, 0.06, 0.1, 0.2, 0.3,  
 0.5 mg/L

**Sensitivity** puts Low Range Arsenic Check in a class of its own with arsenic detection at 2 parts per billion. No other arsenic field test kit has comparable sensitivity or resolution below 10ppb.



### Low Range Arsenic Check

481297 50 Tests  
 481297-2 2 Tests  
 12-Minute Test Time  
 Sensitivity / Range:  
 0,.002,.004,.006,.008,.010,.012,.014,.016,.020,  
 .030,.040,.050,.060,.080,.100,.120,.160 mg/L

**Quick** is the best word to describe this rapid arsenic test. With just a 12-minute incubation time, no other kit can offer the time savings that Arsenic Quick can.



### Arsenic Econ Quick Check

481298 300 Tests  
 12-Minute Test Time  
 Sensitivity / Range:  
 0,.010,.025,.050,.100,.250,.500,1.000 mg/L

**Individual**  
 arsenic tests are

great for your concerned customers. Arsenic Check - Two Test Kit is inexpensive and is based on the same test procedure as our larger field kits.



With only three reagents to mix, testing for arsenic is as easy as 1, 2, 3.



Standard incubation time is just 30 minutes. With the new Arsenic Quick test kit, you can be done in just 10 minutes.

### Simplified test method for arsenic detection is safe, sensitive and quick.

Safety has not been compromised by convenience in the Arsenic Check family of arsenic field test kits. All reagents are in powdered form and have been carefully selected to minimize the hazards associated with conventional arsenic testing. All components needed to accurately detect and measure arsenic are included in a portable ready to use kit.

Our easy to follow test procedure requires only three reagents and as little as 10 minutes to perform. Reagents are clearly labeled and color coded to make arsenic testing error free. A colorimetric test strip is used to take the guesswork out of accurate arsenic measurement. The matching color chart was thoughtfully printed with extra large color blocks and contrasting colors for quick and easy result determination.

### Here's how it works:

First, your water sample is combined in the supplied reaction vessel with reagent #1, a weak food grade

The test strip is not dipped into the sample, but rather placed above the sample in a special cap that seals the reaction vessel. As the arsenic converts to arsine gas and comes in contact with the test strip, the Mercuric bromide indicator on the test strip changes in color from white to shades of yellow and brown. Once the reaction is completed, the test strip is removed and matched to a color comparator chart to obtain a quantitative measure for arsenic in the tested sample.

The included test procedure is designed to detect inorganic arsenic  $As_{+3}$  and  $As_{+5}$ .

Organic arsenic, which is less toxic and usually occurs in much smaller proportions to inorganic arsenic can be measured by an adjusted test procedure.

Four different patent pending test kit formats are available to suit any requirement. Our standard Arsenic Check kit detects 5 ppb of arsenic in 30 minutes and benefits the user with a simplified color chart and low cost. For added sensitivity, use the Low Range Arsenic Check kit to



The test is completed with an easy color match.

powdered acid. This will acidify your water sample. Reagent #2, an oxidizer, is then added to break down available hydrogen sulfide which can interfere with test results. Inorganic arsenic compounds ( $As_{+3}$  and  $As_{+5}$ ) begin reducing to arsine gas with the addition of Zinc powder, reagent #3. A test strip is now used to measure the arsenic concentration of the water sample.

detect arsenic concentrations of 2 ppb in 30 minutes. The Arsenic Quick kit is our latest addition with a 5 ppb detection capability and a quick 10 minute incubation time. For single use and retail sale, a 2-test kit is also offered.



**Phone: 973-299-8237 Fax: 973-331-1649**

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Specifications are subject to change without notice. We reserve the right to correct errors without warranty or obligation.  
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