

▶ **Standard color scale** ◀

Scale No. observed	1	2	3	4	5	6	7	8	9
Amount ( $\mu\text{g As}$ )	0	0.1	0.2	0.6	1.0	2.0	4.0	6.0	10.0
Concentration (ppb)	0	5	10	30	50	100	200	300	500

▶ **Information on chemicals**

- 1) Reagent Z and S contains powder reagents that can cause irritation to skin, eyes, and respiratory tract if swallowed or inhaled.
- 2) Strip A and Strip B The lower half of these paper strips contains toxic chemicals. They are harmful if swallowed, inhaled, or absorbed through skin. Hold the paper by the top end indicated with the colored mark.

*Keep all bottles tightly closed when not in use*



## **Arsenic Field Test Kit**

Read instructions before use

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## ▶ Package contents

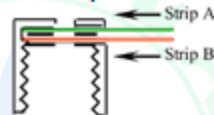
- |                                       |          |
|---------------------------------------|----------|
| 1) Reaction bottle with special cap   | 1 set    |
| 2) Syringe                            | 1 piece  |
| 3) Reagent S                          | 1 bottle |
| 4) Reagent Z                          | 1 bottle |
| 5) Strip A                            | 1 box    |
| 6) Strip B                            | 1 box    |
| 7) Plastic bag (for used paper strip) | 1 bag    |
| 8) Spoon (for handling reagent S)     | 1 piece  |

## ▶ Cautions

- 1) Immediately close all reagent containers after use.
- 2) Avoid contact of liquid reagent with skin and eyes.
- 3) Hold the paper strip at the top end (marked with color). Do not touch the lower half of paper strip with bare fingers. (*keep the used paper strip in the plastic bag provided*)
- 4) Always wash your hands after using the kit.
- 5) Small amounts of hydrogen and arsine gases are generated during the test, so work away from flames and other sources of ignition.
- 6) Keep the kit out of direct sunlight and away from heat, food, pets, and the reach of children.

## ▶ Testing procedure

**Step 1 :** Prepare the special cap by inserting cap strip A and strip B in the direction shown in figure below.



- 1.1) Insert strip A into the slot of the cap on top of the rubber ring.
- 1.2) Insert strip B into the slot of the cap, between the rubber rings.

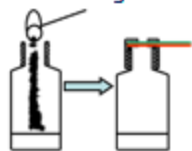
**Step 2 :** Add 20 ml of water sample into the Reaction bottle by using syringe provided.



**Step 3 :** Open one capsule of Z and pour the whole content into the reaction bottle.



**Step 4 :** Add 1 spoonful of reagent S into the reaction bottle by using spoon provided. Immediately place the special cap on top and close tightly.



Swirl gently and allow the contents to react for 20 min.  
*Do not shake or invert the reaction bottle.*

**Step 5 :** Loosen the special cap remove strip A and compare the developed color with the standard color scale.