



How to use...

# Thermometer (Temperature Test)

## INSTRUCTION SHEET

### Test Location - Field

This test must be performed in the field immediately after sample collection.

### Materials

Celsius thermometer

### Testing Background

For more representative results, take the temperature of two different sample bottles (2 trials). Please note that the longer you hold onto the plastic sample bottles, the more you are changing the temperature of the water inside. The heat from your hands can be transferred to the water if you carry the bottle around too long.

### Test Instructions

1. Immerse the thermometer in the water sample about halfway down the container. HOLD onto it for at least one minute for an accurate reading. Do not rest the thermometer along the container's edge or bottom. Take the reading with the thermometer in the sample if at all possible. Read the temperature value in degrees Celsius. To check if the reading stabilized, place the thermometer back in the sample and read the value one-minute later.
2. Repeat the procedure for the second sample bottle, 2<sup>nd</sup> trial. Record both temperatures on the data sheet, and determine the average reading.

### Disposal and Clean Up

Make sure you put the thermometer back into its protective case.

### Safety Precautions

Use normal safety precautions in handling the thermometer to avoid breaking the equipment. Please inform your teacher immediately if the thermometer breaks.



Photo Source: Fisher Scientific