



- Includes:
- 1 each 120 cc sample bottle
  - Instruction sheet
  - Prepaid shipping label
  - Pre-printed return mailing label
  - Laboratory analysis of returned water sample

Stock number: 1119187

This kit is designed to conform to the requirements of NFPA 13, 2002, 4.3 requiring the building owner or their agent to provide an Owners Certificate detailing any knowledge of the water supply used for the sprinkler system. As well as complying with 23.1.5 requiring the water supply to be evaluated for MIC or other corrosive properties.

Upon receiving the sample, the lab will establish a chain of custody and prepare the sample for bacterium extraction. Five groups of bacteria will be cultured: Heterotrophic Bacterium which determines if the majority of bacterium are anaerobic (without air) or aerobic (with air) in nature; Slime Forming Bacterium (aids in tubercle formation); Iron Related Bacterium (iron-pipe oxidizing and reducing bacterium); Sulfate Reducing Bacterium (causes pit corrosion) and Acid Producing Bacterium (causes pit corrosion). Dissolved Iron testing will also be performed to determine general corrosion status of system. The testing will take approximately 9 days to allow for bacteria culture growth. A full written report will be provided approximately 15 business days after testing is started.

Thorough analysis of an existing sprinkler system should include 2 water tests. 1 each collected at the beginning of the system or riser and from the end of system.

For new or proposed sprinkler systems only 1 sample from the source water is necessary.

Water collected from dry systems can also be tested.

**Water Sample Retrieval/Return Procedure**

**NOTE:** The sample must be received by Potter within 72 hours after it is removed from the sprinkler system.

**NOTE:** If obtaining a sample from a sprinkler system, use all precautions necessary to prevent an unwanted waterflow alarm.

1. Open the system to be tested. Let the water run for approximately 5 seconds.
2. Fill a 120 cc bottle to the top.
3. Cap bottle tightly and tape cap to bottle.
4. Complete the sample identification section of this document.
5. Place sample bottle and this completed document into the original shipping carton.
6. Ship to Potter Electric using the enclosed pre-paid *UPS Second Day* form.
7. A full report will be issued within 15 business days after testing has started.

**Certification**

Bacterium testing procedures have been tested against the appropriate American Type Culture Collection (A.T.C.C.) strains for each specific group of bacterium. Iron test uses the 1-10 Phenanthroline method adopted from, "Standard Test Methods of Water and Wastewater" 15th edition 201 (1980).

**Sample Identification**

**NOTE:** This section *MUST* be filled out completely and returned with the sample bottle.

TYPE OF TEST: WATER  DEPOSIT

**Person/Firm Requesting Test**

Name: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 (If you would like report sent via email)

**Facility Tested**

Name: \_\_\_\_\_  
 Bldg #: \_\_\_\_\_ Riser #: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_

**System Information**

System (*circle one*): Wet/Dry FPS Age: \_\_\_\_\_ Total # of Risers: \_\_\_\_\_  
 Facility Sq. Ft. (*approx.*): \_\_\_\_\_ # of Floors: \_\_\_\_\_  
 Facility Type: \_\_\_\_\_  
 Type of Pipe (*circle*): TW/Sch 40/Black/Galv/Threaded/Grooved/CPVC  
 Previous System Treatment: \_\_\_\_\_

**Water Sample Information**

Date sample collected: \_\_\_\_\_ Time: \_\_\_\_\_  
 Location in system where obtained: \_\_\_\_\_  
 Sample collected by: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Sample description/remarks: \_\_\_\_\_