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Laboratory Testing Services

M.I.C. Water Testing (Microbiological Induced Corrosion)

<u>Testing Type</u>	<u>Stock No.</u>	<u>Model / Description</u>
Single Bottle Analysis	L1BMOA	Single Bottle MIC Only Analysis
Single Bottle Analysis	L1BFWA	Single Bottle MIC Full Analysis
Two Bottle Analysis	L2BFWA	Two Bottle MIC Full Analysis
Three Bottle Analysis	L3BFWA	Three Bottle MIC Full Analysis
Four Bottle Analysis	L4BFWA	Four Bottle MIC Full Analysis
NFPA 25 Deposit Analysis	L1CPMS	Deposit Sample MIC Analysis
ICP-MS Deposit Analysis	LDEPAN	Deposit Sample Elemental Analysis

General Description:

Huguenot Laboratories offers the most comprehensive laboratory analysis testing services for Fire Protection Systems (FPS). Our testing kits allow for easy sampling of system waters and discovered deposits. Depending on which analysis is indicated, samples are captured and returned to the Laboratory for prompt analysis. A full analysis includes an Anaerobic and Aerobic MIC bacterium study, and 23 complete mineral comparison studies to determine if mineral deposition is a contributing factor in causing corrosion and under deposit corrosion. Testing services also includes an A.S.T.M. certified corrosion study to accurately determine the true corrosion potential of the supply waters. This detailed analysis provides clients accurate detailed information with viable corrosion mitigation options. Our Single Bottle analysis conforms to Building Uniform Code UFC 3-600-01 to determine the expected life cycle of the fire sprinkler systems components. Our deposit analysis kit is designed to assist clients in completing the required 5 year obstruction investigation testing protocol as required per NFPA 25, 2002 edition.

Individual Kit Descriptions:

- Single Bottle MIC Only analysis** \$347.00
 Bacteria study for Wet and Dry FPS
 6 Panel bacterium study
 A.S.T.M. Corrosion study
- Single Bottle MIC and full mineral analysis** \$495.00
 Bacteria study for Wet and Dry FPS
 6 Panel bacterium study
 23 analytical mineral analyses
 A.S.T.M. Corrosion study
- Two Bottle MIC and full mineral analysis** \$795.00
 Bacteria study for Wet and Dry FPS
 6 Panel bacterium study (Each Sample)
 23 analytical mineral analyses (Each Sample)
 A.S.T.M. Corrosion study



- **Three Bottle MIC and full mineral analysis** \$995.00
 Bacteria study for Wet FPS
 6 Panel bacterium study (Each Sample)
 23 analytical mineral analyses (Each Sample)
 A.S.T.M. Corrosion study
- **Four Bottle MIC and full mineral analysis** \$1295.00
 Bacteria study for Multiple Wet and/or Dry FPS
 6 Panel bacterium study (Each Sample)
 23 analytical mineral analyses (Each Sample)
 A.S.T.M. Corrosion study
- **NFPA 25 Deposit Analysis** \$347.00
 6 panel Deposit Material Bacterium analysis
- **ICP-MS Deposit Analysis** \$795.00
 Elemental Mineral Analysis

Microbiological Analysis Tests:

- | | |
|---------------------------|----------------------------|
| *Total Aerobic Bacteria | *Sulfate Reducing Bacteria |
| *Total Anaerobic Bacteria | *Slime Forming Bacteria |
| *Iron Related Bacteria | *Coliform Bacteria |

Mineral and General Analysis Tests:

- | | | |
|--------------------|-------------------|-------------------------|
| * Total Hardness | * Calcium | * Magnesium |
| * P-Alkalinity | * M-Alkalinity | * Silica |
| * Nitrate | * pH | * Dissolved Oxygen |
| * Total Chlorine | * Langelier Index | *Total Dissolved Solids |
| * Ryznar Stability | * pHs | * Hydrogen Sulfide |
| * Total Phosphate | * Ammonia | * Specific Conductance |
| * Manganese | * Total Iron | * Ortho Phosphate |
| * Sulfate | * Free Chlorine | |

Huguenot Laboratories 3 bottle test kit

