



AAMI ST108 Water Testing

For healthcare sterile processing departments, a new best practice standard was released late summer 2023. AAMI ST108, replacing TIR34, has become the new standard for water quality of sterile processing equipment. The first step to knowing where a facility stands in compliance with AAMI ST108 is to test the water sources used for sterile processing equipment and instruments.

**Critical Water- used for final rinse
after high-level disinfection/prior
to sterilization**

**Utility Water- used for flushing,
washing, and intermediate rinsing**

AAMI ST108 Testing Parameters and Frequencies

Test	Critical Water Parameter	Critical Water Frequency	Utility Water Parameter	Utility Water Frequency
Conductivity	<10	Daily	<500	Quarterly
pH	5.0-7.5	Monthly	6.5-9.5	Quarterly
Total Alkalinity	<8	Monthly	<400	Quarterly
Total Hardness	<1	Monthly	<150	Quarterly
Bacteria-HPC	<10	Monthly	<500	Quarterly
Endotoxin	<10	Monthly	N/A	N/A

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Facilities can find vendors to test the water preliminarily or utilize an in-house test kit. Water Management Advisors' test kit for AAMI ST108 testing includes the tools necessary to conduct the tests that don't require a certified lab to conduct. The test kit has materials included for multiple testing locations and testing frequencies, approximately 60-75 tests for each component. For those tests that do require a certified lab, like bacteria and endotoxin, Water Management Advisors can get those samples collected for the facility and have a report provided from a certified lab.

Testing for AAMI ST108 Water Quality Components		
Test	In-house or Certified Lab	Cost
Conductivity	In-house capability	Included in Cost of AAMI ST108 Test Kit (\$1,800)
pH	In-house capability	Included in Cost of AAMI ST108 Test Kit (\$1,800)
Total Alkalinity	In-house capability	Included in Cost of AAMI ST108 Test Kit (\$1,800)
Total Hardness	In-house capability	Included in Cost of AAMI ST108 Test Kit (\$1,800)
Bacteria- HPC	Certified Lab	Included in Cost of AAMI ST108 Critical Water Testing (\$400/sample location)
Endotoxin	Certified Lab	Included in Cost of AAMI ST108 Critical Water Testing (\$400/sample location)

For a proposal, please contact Erica Parker at erica@watermanagementadvisors.com with the subject line, "AAMI ST108 Water Testing"