

# AAMI ST108 & STERILE PROCESSING

## VALIDATION TESTING FOR AAMI ST108

WATER QUALITY MEASUREMENT	CRITICAL WATER	UTILITY WATER	STEAM
pH @ 25 °C	✓	✓	✓
Conductivity	✓	✓	✓
Total Alkalinity	✓	✓	✓
Total Hardness	✓	✓	✓
Color	✓	✓	✓
Turbidity	✓	✓	✓
Aluminum	✓	✓	✓
Chloride	✓	✓	✓
Copper	✓	✓	✓
Iron	✓	✓	✓
Manganese	✓	✓	✓
Nitrate	✓	✓	✓
Phosphate	✓	✓	✓
Sulfate	✓	✓	✓
Silicate	✓	✓	✓
Zinc	✓	✓	✓
HPC Bacteria	✓	✓	
Endotoxin (Recombinant Cascade)	✓		
Total Organic Carbon (TOC)	✓		

## ROUTINE TESTING FOR AAMI ST108

WATER QUALITY MEASUREMENT	CRITICAL WATER	UTILITY WATER	STEAM
pH @ 25 °C	✓	✓	✓
Conductivity	✓	✓	✓
Total Alkalinity	✓	✓	✓
Total Hardness	✓	✓	✓
Color	✓	✓	✓
Turbidity	✓	✓	✓
HPC Bacteria	✓	✓	
Endotoxin	✓		

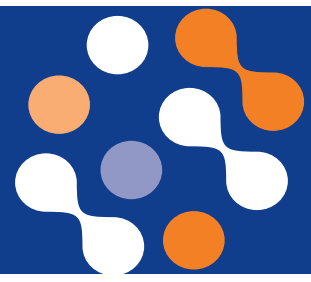
## ADDITIONAL TESTING

### WATER QUALITY MEASUREMENT

Legionella - CDC method

PCR Analysis for Legionella (Quantitative)

To learn more about how Ascend can help you, email [sales@aclab.com](mailto:sales@aclab.com) or call 800.800.5655.



# AAMI ST108 COLLECTION & HANDLING

Proper sterile collection technique is required when collecting environmental samples

## VALIDATION TESTING KITS



## ROUTINE TESTING KITS



## LABELING & PACKAGING

**CONFIRM correct source**

BOILER UTILITY, WMP UTILI  
ENV80969

**CONFIRM correct collection date**

12/02/24  
Fac: ABC

**CONFIRM correct test**

UCT1  
12345678910

**CONFIRM correct tube type**

TALL YELLOW

Align with manufacturer label







Refrigerate 2 - 8° C

Must use Specimen Transport Biohazard Bag with Absorbent Sheet for all samples





	TYPE	TESTS	COLLECTION	REFRIGERATE
	<b>Sterile Cup w/Transfer Port</b>	For collection only	<ul style="list-style-type: none"> <li>Discard after collection</li> <li>Do NOT ship</li> </ul>	
	<b>Tall Yellow</b>	HPC Bacteria, Endotoxin	<ul style="list-style-type: none"> <li>Collect sample using Sterile Cup w/Transfer Port</li> <li>Fill tube until flow ceases</li> </ul>	✓
	<b>Conical Tube</b>	Total Hardness, Ionic Contaminants: <ul style="list-style-type: none"> <li>Al, Cl, Cu, Fe, Mn, Zn, Nitrate, Silicate, Phosphate, Sulfate</li> </ul>	<ul style="list-style-type: none"> <li>Fill to Max Freeze line</li> <li>Secure lid</li> </ul>	✓
	<b>125mL Trace Metal-Free Bottle</b>	pH, Conductivity, Total Alkalinity, Color, Turbidity, TOC	<ul style="list-style-type: none"> <li>Rinse the Bottle:                             <ul style="list-style-type: none"> <li>Half-fill with source water</li> <li>Cap &amp; shake</li> <li>Empty the water</li> </ul> </li> <li>Collect the Sample:                             <ul style="list-style-type: none"> <li>Fill completely with source water</li> <li>Cap tightly</li> </ul> </li> </ul>	✓

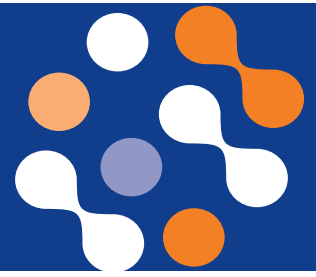


### CRITICAL WATER VALIDATION TESTING

					
<b>Collection Container</b>	<b>125mL Trace Metal-Free Bottle</b>	<b>125mL Trace Metal-Free Bottle</b>	<b>Conical Tube</b>	<b>Tall Yellow</b>	<b>Tall Yellow</b>
<b>Validation Tests per Source</b>	<ul style="list-style-type: none"> <li>• pH</li> <li>• Conductivity</li> <li>• Total Alkalinity</li> <li>• Color</li> <li>• Turbidity</li> </ul>	Total Organic Carbon (TOC)	Total Hardness Ionic Contaminants: <ul style="list-style-type: none"> <li>• Al, Cl, Cu, Fe, Mn, Zn, Nitrate, Silicate, Phosphate, Sulfate</li> </ul>	Bacteria	Endotoxin
<b>Collection</b>	<ul style="list-style-type: none"> <li>• Rinse the Bottle: <ul style="list-style-type: none"> <li>- Half-fill with source water</li> <li>- Cap &amp; shake</li> <li>- Empty the water</li> </ul> </li> <li>• Collect the Sample: <ul style="list-style-type: none"> <li>- Fill completely with source water</li> <li>- Cap tightly</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>• Fill to Max Freeze line</li> <li>• Secure lid</li> </ul>	 <ul style="list-style-type: none"> <li>• Collect sample using Sterile Cup w/Transfer Port</li> <li>- Discard after collection</li> <li>- Do not ship</li> <li>• Fill tube until flow ceases</li> </ul>	
<b>Refrigerate</b>	✓	✓	✓	✓	✓

### CRITICAL WATER ROUTINE TESTING





				
<b>Collection Container</b>	<b>125mL Trace Metal-Free Bottle</b>	<b>Conical Tube</b>	<b>Tall Yellow</b>	<b>Tall Yellow</b>
<b>Routine Tests per Source</b>	<ul style="list-style-type: none"> <li>• pH</li> <li>• Conductivity</li> <li>• Total Alkalinity</li> <li>• Color</li> <li>• Turbidity</li> </ul>	Total Hardness	Bacteria	Endotoxin






# AAMI ST108 UTILITY WATER

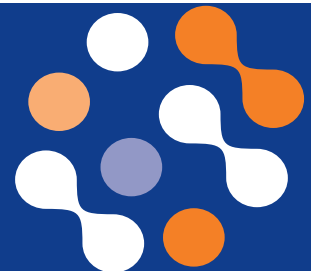
## Collection Instructions

### UTILITY WATER VALIDATION TESTING

			
<b>Collection Container</b>	<b>125mL Trace Metal-Free Bottle</b>	<b>Conical Tube</b>	<b>Tall Yellow</b>
<b>Validation Tests per Source</b>	<ul style="list-style-type: none"> <li>• pH</li> <li>• Conductivity</li> <li>• Total Alkalinity</li> <li>• Color</li> <li>• Turbidity</li> </ul>	Total Hardness Ionic Contaminants: <ul style="list-style-type: none"> <li>• Al, Cl, Cu, Fe, Mn, Zn, Nitrate, Silicate, Phosphate, Sulfate</li> </ul>	Bacteria
<b>Collection</b>	<ul style="list-style-type: none"> <li>• Rinse the Bottle:               <ul style="list-style-type: none"> <li>- Half-fill with source water</li> <li>- Cap &amp; shake</li> <li>- Empty the water</li> </ul> </li> <li>• Collect the Sample:               <ul style="list-style-type: none"> <li>- Fill completely with source water</li> <li>- Cap tightly</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Fill to Max Freeze line</li> <li>• Secure lid</li> </ul>	 <ul style="list-style-type: none"> <li>• Collect sample using Sterile Cup w/ Transfer Port               <ul style="list-style-type: none"> <li>- Discard after collection</li> <li>- Do not ship</li> </ul> </li> <li>• Fill tube until flow ceases</li> </ul>
<b>Refrigerate</b>	✓	✓	✓

### UTILITY WATER ROUTINE TESTING

			
<b>Collection Container</b>	<b>125mL Trace Metal-Free Bottle</b>	<b>Conical Tube</b>	<b>Tall Yellow</b>
<b>Routine Tests per Source</b>	<ul style="list-style-type: none"> <li>• pH</li> <li>• Conductivity</li> <li>• Total Alkalinity</li> <li>• Color</li> <li>• Turbidity</li> </ul>	Total Hardness	Bacteria





# AAMI ST108 STEAM

## Collection Instructions

### STEAM VALIDATION TESTING

		
<b>Collection Container</b>	<b>125mL Trace Metal-Free Bottle</b>	<b>Conical Tube</b>
<b>Validation Tests per Source</b>	<ul style="list-style-type: none"> <li>• pH</li> <li>• Conductivity</li> <li>• Total Alkalinity</li> <li>• Color</li> <li>• Turbidity</li> </ul>	Total Hardness Ionic Contaminants: <ul style="list-style-type: none"> <li>• Al, Cl, Cu, Fe, Mn, Zn, Nitrate, Silicate, Phosphate, Sulfate</li> </ul>
<b>Collection</b>	<ul style="list-style-type: none"> <li>• Rinse the Bottle:               <ul style="list-style-type: none"> <li>- Half-fill with source water</li> <li>- Cap &amp; shake</li> <li>- Empty the water</li> </ul> </li> <li>• Collect the Sample:               <ul style="list-style-type: none"> <li>- Fill completely with source water</li> <li>- Cap tightly</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Fill to Max Freeze line</li> <li>• Secure lid</li> </ul>
<b>Refrigerate</b>	✓	✓

### STEAM ROUTINE TESTING

		
<b>Collection Container</b>	<b>125mL Trace Metal-Free Bottle</b>	<b>Conical Tube</b>
<b>Routine Tests per Source</b>	<ul style="list-style-type: none"> <li>• pH</li> <li>• Conductivity</li> <li>• Total Alkalinity</li> <li>• Color</li> <li>• Turbidity</li> </ul>	Total Hardness