



# SAMPLE BOTTLE GUIDE



- High quality analytical services
- Leading edge research
- Solving water quality issues

1300 653 366  
[awqc.com.au](http://awqc.com.au)

# Table of contents

Sampling tips	3
Field filtering directions	4
Sample bottle label information	5
Bottle descriptions	6
Holding times	7
Chemical analyses - inorganic	8
Chemical analyses - organic	10
Wastewater analyses	14
Biological analyses	17
Microbiological analyses	18
Molecular analyses	21
Laboratory locations	24

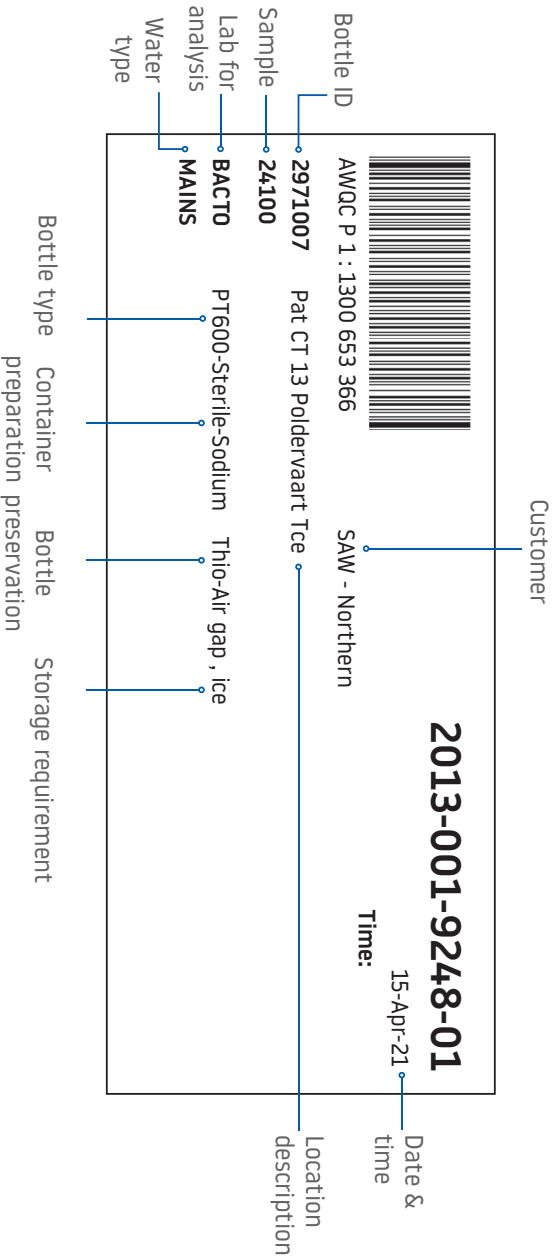
## Sampling tips

- Ensure the sample is representative of the source and always collect from the same location.
- If sampling from a tap, minimum flush of 2 minutes prior to collection (unless specified otherwise).
- Collection of microbiological samples should be immediately after sample point disinfection.
- All microbiological samples should be double bagged with zip locks for transportation to AWQC.
- Sample bottles should be adequately filled. If air gap required, fill to base of neck.
- Ensure all sample bottles are labelled. If you are not using an AWQC label, provide sample location description and time/date collected as minimum.
- Samples should be immediately chilled, preferably use ice. In the case of ice bricks, please attempt to pre-chill samples prior to transport to AWQC with ice bricks.
- Samples for Amoeba analysis must NOT be chilled or placed on ice.
- Pre-dosed bottles must never be rinsed.
- Surface sampling should always occur, if possible, at a minimum of 30cm below the surface to avoid any surface scums.

## Field filtering directions

- Avoid contamination by not touching tips of filters and syringe internals.
- Pre-rinse syringe with sample water.
- Add 50-60ml of sample, invert and expel air.
- Screw on a white GF filter first, followed by 0.45µm yellow filter.
- Samples low in suspended material can be filtered with only a 0.45µm yellow filter.
- Commence filtering until sample is dispensed or filters are blocked. Replace filters if necessary.
- Ensure a minimum of 60ml is collected.
- DO NOT completely fill container, air gap required for sample freezing at AWQC.
- Discard filters after use.
- **NOTE:** when collecting a filtered and unfiltered sample from the same location, filter water from the unfiltered container to ensure the samples are comparable with each other.

# Sample bottle label information



# Bottle descriptions

## Bottle type descriptions

- PT = plastic type in sizes 120, 250, 300, 355, 600 and 1250ml
- GL = glass (clear) in size 100 or 1000ml
- AG = amber glass in size 100ml or 1000ml
- JC1 = jerry can in size 10Lt
- APT = amber plastic type or foil wrapped clear, in size 1000 or 1250ml
- PP = plastic pot in size 500ml
- GJ = glass jar
- BLKPT1 = black plastic type in size 1000ml
- HDPE = in sizes 100, 250 and 1000ml
- PTDNA = 1250ml DNA free bottle

Sterile = container pre-sterilised

Acid washed = container pre-acid washed

Sodium thio = container dosed with sodium thiosulphate

Ammonium chloride = container dosed with ammonium chloride

Sodium hydroxide dosed = container dosed with sodium hydroxide

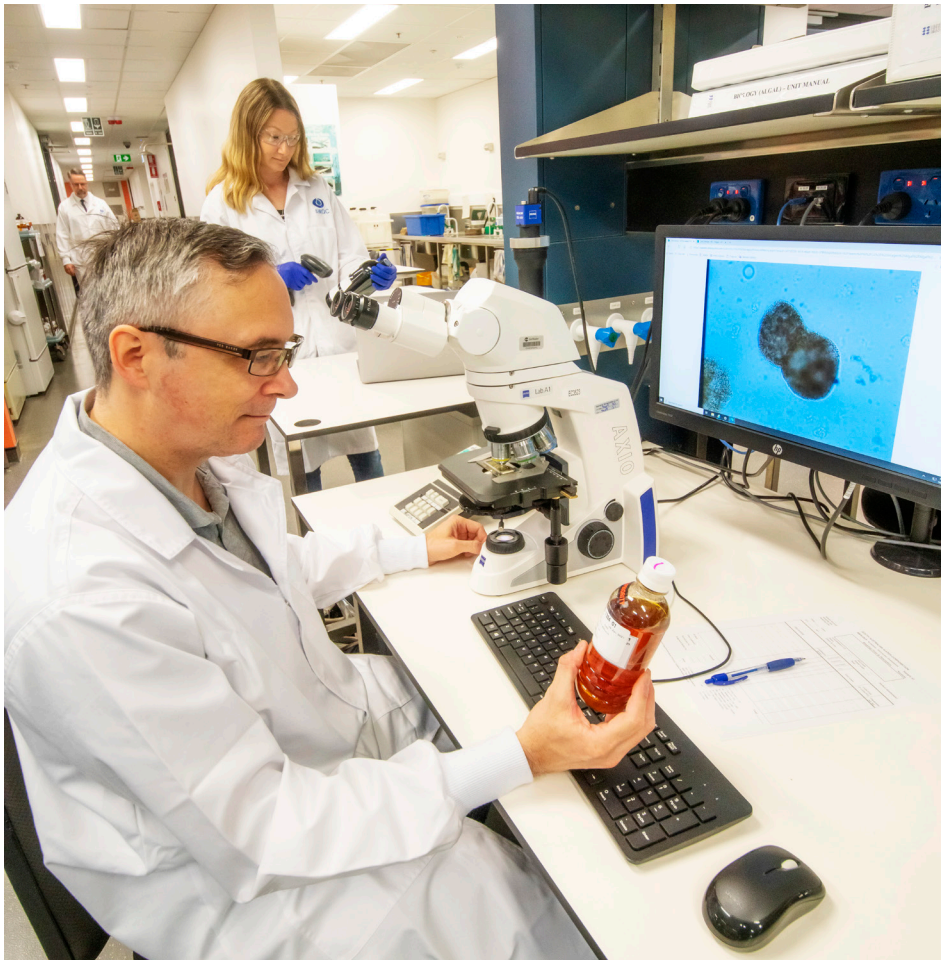
# Holding times

\* Holding times as per Standard Method, 22nd Edition, 2012




\*\* Holding times as per AS/NZS5667.1:1998

\*\*\* No stated holding time in Standard Method or AS/NZS5667, deliver to lab as soon as possible or as stated

# Holding times as per AS/NZS2031






# Chemical analyses - inorganic



General	Radioactivity	Heavy metals and mercury
<p><b>Sample container</b> 250ml plastic (PT250)</p> 	<p><b>Sample container</b> 1L HDPE (HDPE) 100ml amber glass (GLBB)</p> 	<p><b>Sample container</b> 250ml HDPE (HDPE1)</p> 
<p><b>Label</b></p> <p>PT250 – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>HDPE – none – none – no air gap – ice GLBB – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>HDPE1 – RO rinsed – none – no air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types General cations (7 days) **pH (6 hours) *Conductivity (28 days) *Colour (48 hours) *Turbidity (24 hours) *Alkalinity (24 hours)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types **Gross alpha &amp; beta (28 days) **Radon 222 (96 hours)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types *All metals (28 days) Includes cations calcium, magnesium, sodium and potassium</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>Container is pre-rinsed with RO water.</p>





# Chemical analyses - inorganic

Nutrients - total	Nutrients - total	Nutrients - filterable
<p><b>Sample container</b> 250ml plastic (PT250)</p> 	<p><b>Sample container</b> 120mL plastic (PT120)</p> 	<p><b>Sample container</b> 120ml plastic (PT120)</p> 
<p><b>Label</b></p> <p>PT250 – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>PT120 – none – none – air gap – ice</p>	<p><b>Label</b></p> <p>PT120 – none – none – filtered – air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types *Chloride (28 days) *Fluoride (28 days) *OXN/Nitrite (24 hours) *Ammonia (6 hours) *Filterable P (24 hours)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types *TKN (28 days) *Total P (28 days)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types *SKN (28 days) *Soluble P (28 days) *Ammonia (28 days) *OXN/Filterable P (28 days) *Nitrite (48 hours)</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p> <p>Containers to be double bagged with zip locks.</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>None.</p>	<p><b>Notes</b></p> <p>Filtration equipment is required to filter the sample in the field.</p>



# Chemical analyses - organic

VFA	NDMA
<p><b>Sample container</b> 120mL plastic (PT120)</p> 	<p><b>Sample container</b> 1L black plastic (APT)</p> 
<p><b>Label</b></p> <p>PT120 – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>APT-TS-NO-NI – 1000 – none – sodium thio – no air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types *VFA (14 days)</p>	<p><b>Analytes &amp; holding times</b></p> <p>***NDMA (14 days)</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. 150mg/L sodium sulphite for chloramine &lt;4.0mg/L.</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>Wrap entire bottle in foil if amber glass bottles or black plastic bottles not used.</p>



# Chemical analyses - organic

General	Algal toxins
<p><b>Sample container</b> 1L glass (GL1000)</p> 	<p><b>Sample container</b> 600mL or 1.25L plastic (PT600 or PT1250)</p> 
<p><b>Label</b></p> <p>GL1000 – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>PT600 or PT1250 – none – none – no air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types            ***Organochlorides (14 days)            ***Organophosphates (14 days)            ***Acid herbicides (14 days)            ***GCMSSCANS (14 days)            ***Diesel, VOC, BTEX, MTBE, Fipronyl,            Haloxyfop (14 days)            ***Atrazine ‘metabolites’, Simazine (14 days)            ***Formaldehyde TPH/TRH (14 days)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types            ***MIB , GEOSMIN (14 days)            ***TCA (14 days) are performed by CLSA for            lower detection limits.            ***Algal toxins (14 days)</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>
<p><b>Notes</b></p> <p>No container preparation. Amber glass bottle can also be used.</p>	<p><b>Notes</b></p> <p>No container preparation.</p>




# Chemical analyses - organic

DOC, TOC, MIB, geosmin, TCA, HAAFP, THMFP, glyphosate	Disinfection byproducts
<p><b>Sample container</b> 355mL plastic (PT355)</p> 	<p><b>Sample container</b> 355mL plastic (PT355) 600mL plastic (PT600)</p> 
<p><b>Label</b></p> <p>PT355 – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>PPT355/PT600 – none – ammonium chloride – no air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types            ***Dissolved organic carbon, total organic carbon (14 days)            ***Total carbon (14 days)            ***MIB, GEOSMIN, TCA (5 days)            ***Glyphosate (14 days)            ***Formation potential of THM and HAA (14 days)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types            ***Haloacetic acids (14 days)            ***Chloroacetic acids (14 days)            ***DBP_551 (14 days)            ***THM (14 days)            ***VCH (14 days)</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. 100mg/L ammonium chloride dosed.</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>No container preparation.</p>

# Chemical analyses - organic

Formaldehyde	TRH/TPH, Diesel
<p><b>Sample container</b> 1L glass (GL1000)</p> 	<p><b>Sample container</b> 1L glass (GL1000)</p> 
<p><b>Label</b></p> <p>GL1000 – none – ammonium chloride – no air gap – ice</p>	<p><b>Label</b></p> <p>GL1000 – none – solvent washed – no air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. Ammonium chloride dosed.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>Solvent washed.</p>



# Wastewater analyses

General and BOD	Cyanides	Transmittance absorbance
<p><b>Sample container</b> 1.25L plastic (PT1250)</p> 	<p><b>Sample container</b> 100mL HDPE</p> 	<p><b>Sample container</b> 250mL plastic (PT250)</p> 
<p><b>Label</b></p> <p>PT1250 – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>HDPE100 – none – NaOH – no air gap – ice</p>	<p><b>Label</b></p> <p>PT250 – none – none – no air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types *Biological oxygen demand (48 hours) *Solids - suspended or dissolved (7 days) *Chemical oxygen demand (28 days) *pH (6 hours) *Conductivity (28 days)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types *Cyanide (14 days)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types *UV Transmittance (3 days) *UV Absorbance (3 days)</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. NaOH pellet dosed.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>Samples to be taken in pre-dosed container. Do not rinse. Invert to mix pellets.</p>	<p><b>Notes</b></p>

# Wastewater analyses


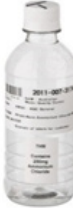

Grease & oils	Sludges, solids & soils
<p><b>Sample container</b> 1L glass (GL1000)</p> 	<p><b>Sample container</b> 500mL plastic pot (PP500)</p> 
<p><b>Label</b></p> <p>GL1000 – acid washed – none – no air gap – ice</p>	<p><b>Label</b></p> <p>PP500 – none – none – none</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types *Grease (28 days) *MBAS (48 hours)</p>	<p><b>Analytes &amp; holding times</b></p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>	<p><b>Storage and preservation</b></p> <p>No preservative.</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>Caution to not overfill container. Containers to be double-bagged using zip lock bags.</p>

# Wastewater analyses




<b>Sludge &amp; sediments</b> (microbiological analyses)	<b><i>Giardia &amp; Cryptosporidium</i></b> (wastewater only)
<p><b>Sample container</b> Plastic pot (PT600)</p> 	<p><b>Sample container</b> 2x1.25L plastic (PT1250)</p> 
<p><b>Label</b></p> <p>PT600 – sterile – sodium thio – air gap – no ice</p>	<p><b>Label</b></p> <p>PT1250 – sterile – sodium thio – air gap – no ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types                      #<i>E.coli</i> (24 hours),                      #Coliforms (24 hours)                      Filamentous bacteria                      Amoebae – <i>Naegleria fowleri</i>                      (48 hours as per in-house valid)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types  <i>Cryptosporidium</i> and <i>Giardia</i>                      (96 hours as per USEPA 1623)</p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>SStorage and preservation</b></p> <p>Iced or chilled to 4°C.                      Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C.                      Sodium thiosulphate dosed.</p>
<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice.</p>	<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. 2 x 1.25L pet bottles be used.</p>




# Biological analyses

<b>Algal</b>	<b>Odours</b>	<b>Chlorophyll</b>
<p><b>Sample container</b> 250ml plastic (PT250)</p> 	<p><b>Sample container</b> 355ml plastic (PT355)</p> 	<p><b>Sample container</b> 1L black plastic (BLKPT1)</p> 
<p><b>Label</b></p> <p>PT250 – none – none – no air gap – ice</p>	<p><b>Label</b></p> <p>PT355 – none – none – air gap – ice</p>	<p><b>Label</b></p> <p>BLKPT1 – none – none – air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types Including blue green algae, see preservation below (24 hours for live samples)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types Odour test (24 hours)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types *Chlorophyll (48 hours)</p>
<p><b>Sampling requirements</b></p> <p>No air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C (live). Algae holding time increased to 28 days when preserved with Lugol's solution</p> <ul style="list-style-type: none"> <li>• Freshwater samples 1:100 by volume.</li> <li>• Marine samples 1:200 by volume.</li> </ul>	<p><b>Storage and preservation</b></p> <p>Iced or chilled t to 4°C.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. No preservative.</p>
<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>No container preparation.</p>	<p><b>Notes</b></p> <p>No container preparation.</p>



# Microbiological analyses

General	<i>Legionella</i>	Sulphite & sulphate reducing bacteria
<p><b>Sample container</b> 300mL sterile plastic (PT300)</p> 	<p><b>Sample container</b> 300mL sterile plastic (PT300)</p> 	<p><b>Sample container</b> 300mL sterile plastic (PT300)</p> 
<p><b>Label</b></p> <p>PT300 – sterile – sodium thio – air gap – ice</p>	<p><b>Label</b></p> <p>PT300 – sterile – sodium thio – air gap – ice</p>	<p><b>Label</b></p> <p>PT300 – sterile – sodium thio – air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types            #<i>E.coli</i> (24 hours)            #Faecal coliforms (24 hours)            #Coliforms (24 hours)            #Enterococcus (24 hours)            #Iron bacteria (24 hours)            #Pseudomonas (24 hours)            #Plate counts (24 hours)            #Bacteriophages and f RNA phage (24 hours)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types            #<i>Legionella</i> (24 hours)</p> <p>Samples from warm or hot water systems require <b>NO FLUSHING</b> or flame sterilisation of sample tap prior to sampling.</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types            #Sulphite reducing Clostridia including <i>Clostridium perfringens</i> (24 hours)            #Sulphate reducing bacteria (24 hours)</p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>No air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. Sodium thiosulphate dosed.</p>
<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice.</p>	<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice.</p>	<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice.</p>




# Microbiological analyses

<b>Campylobacteria &amp; Salmonella</b>	<b>Ice</b>
<p><b>Sample container</b> 2x600mL sterile plastic (PT600)</p> 	<p><b>Sample container</b> Plastic pot (PT600)</p> 
<p><b>Label</b></p> <p>PT600 – sterile – sodium thio – air gap – ice</p>	<p><b>Label</b></p> <p>PT600 – sterile – sodium thio – air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types #<i>Campylobacter</i> (<i>C.jejuni</i>, <i>C.coli</i>) (24 hours) #<i>Salmonella</i> spp (24 hours)</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types #<i>E.coli</i> (24 hours), #Coliforms (24 hours)</p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. Sodium thiosulphate dosed.</p>
<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice. 2 x 600mL bottles to be used.</p>	<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice.</p>



# Microbiological analyses

Amoebae	<i>Cryptosporidium &amp; Giardia</i>
<p><b>Sample container</b> 600mL sterile plastic (PT600)</p> 	<p><b>Sample container</b> 2x10L plastic (JC1)</p> 
<p><b>Label</b></p> <p>PT600 – sterile – sodium thio – air gap – ice</p>	<p><b>Label</b></p> <p>JC1 – sterile – sodium thio – air gap – ice</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types ***Amoebae – <i>Naegleria fowleri</i> (96 hours as per in-house validation)</p> <p>AMOEBAE samples are not to be chilled.</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types <i>Cryptosporidium</i> and <i>Giardia</i> (96 hours as per USEPA 1623)</p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>Storage and preservation</b></p> <p><b>Do not refrigerate or ice.</b> Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Iced or chilled to 4°C. Sodium thiosulphate dosed.</p>
<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice.</p>	<p><b>Notes</b></p> <p>Aseptic preparation is mandatory. Containers to be double-bagged using zip lock bags for storage on ice.</p>



# Molecular analyses

<b><i>E. coli</i> whole genome sequencing (WGS)</b>	<b><i>E. coli</i> phylogrouping</b>	<b><i>E. coli</i> capsule</b>
<p><b>Sample container</b> 300mL sterile plastic (PT300)</p> 	<p><b>Sample container</b> 300mL sterile plastic (PT300)</p> 	<p><b>Sample container</b> 300mL sterile plastic (PT300)</p> 
<p><b>Label</b></p> <p>PT300 – sterile – sodium thio – air gap</p>	<p><b>Label</b></p> <p>PT300 – sterile – sodium thio – air gap</p>	<p><b>Label</b></p> <p>PT300 – sterile – sodium thio – air gap</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types 72 hours</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types 72 hours Emergency 48 hours</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types 72 hours Emergency 48 hours</p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>Storage and preservation</b></p> <p>Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Sodium thiosulphate dosed.</p>
<p><b>Notes</b></p> <p>Bottle or existing Colilert tray can be submitted.</p>	<p><b>Notes</b></p> <p>Bottle or existing Colilert tray can be submitted.</p>	<p><b>Notes</b></p> <p>Bottle or existing Colilert tray can be submitted.</p>

# Molecular analyses

Faecal source tracking (FST)	NGS analyses (bDNA/vDNA)
<p><b>Sample container</b> 1.25L DNA free</p> 	<p><b>Sample container</b> 1.25L DNA free</p> 
<p><b>Label</b></p> <p>PTDNA – Bacto – none – sterile – air gap</p>	<p><b>Label</b></p> <p>PTDNA – Bacto – none – sterile – air gap</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types 72 hours Emergency 2 days</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types 72 hours</p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>Storage and preservation</b></p> <p>1.25L DNA free.</p>	<p><b>Storage and preservation</b></p> <p>1.25L DNA free.</p>
<p><b>Notes</b></p> <p>Sampler must follow DNA sampling procedure WI-375</p>	<p><b>Notes</b></p> <p>Sampler must follow DNA sampling procedure WI-375</p>

# Molecular analyses

<i>Burkholderia</i>	CyanoDTec
<p><b>Sample container</b> 2 x 600mL (PT600)</p> 	<p><b>Sample container</b> 300mL sterile plastic (PT300)</p> 
<p><b>Label</b></p> <p>PT600 – sterile – sodium thio – air gap</p>	<p><b>Label</b></p> <p>PT300 – sterile – sodium thio – air gap</p>
<p><b>Analytes &amp; holding times</b></p> <p>All water types 24 hours</p>	<p><b>Analytes &amp; holding times</b></p> <p>All water types 72 hours Emergency 24 hours</p>
<p><b>Sampling requirements</b></p> <p>Air gap</p>	<p><b>Sampling requirements</b></p> <p>Air gap</p>
<p><b>Storage and preservation</b></p> <p>Sodium thiosulphate dosed.</p>	<p><b>Storage and preservation</b></p> <p>Sodium thiosulphate dosed.</p>
<p><b>Notes</b></p> <p>For water - 2 x 600mL and sludge 1 x 300mL</p>	<p><b>Notes</b></p>

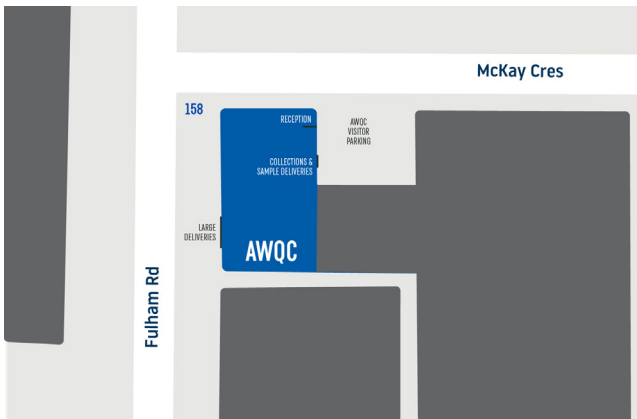
# Laboratory locations

## Adelaide, SA



250 Victoria Square/  
Tarntanyangga  
ADELAIDE  
SA 5000

## Melbourne, VIC



158 Fulham Road  
ALPHINGTON,  
VIC 3078

1300 653 366  
[awqc.com.au](http://awqc.com.au)

