

Perfusion Services Policies and Procedures Manual

	<i>Policy</i>	<i>Subject</i>
	Heater-Cooler Water Sampling	Perfusion Department Policies and Procedures

Heater Cooler Water Sampling

Objective:

To minimize the risk of infection, heater cooler manufacturers recommend the water in the heater cooler units should meet microbiological requirements for drinking water. Heater/Cooler sanitizing is performed on a weekly basis as per policy. To ensure that the heater cooler units are free of contaminants, water samples are to be drawn from each heater cooler on a quarterly basis and sent to Benchmark Environmental Labs for analysis. Benchmark Environmental Labs will perform testing to confirm:

- 1) Heterotrophic Plate Count (HPC): is less than 500 cfu/ml (acceptable level according to US drinking water standard)
- 2) Non-Tuberculous Mycobacteria: is not detectable in 100ml
- 3) Coliform bacteria: is not detectable in 100ml
- 4) Pseudomonas aeruginosa: is not detectable in 100ml

Procedure:

The process for collecting and shipping water samples is as follows:

Sampling kits are located in the upper cabinets in the perfusion workroom. The contents of one sampling kit includes:

1. 4- 100ml sampling bottles
2. Test Request Form (see attached)
3. Box for shipping

Samples of at least 100ml are required for each water test. All water samples used for testing should be collected prior to performing any disinfection procedure. Allow gravity to drain 100ml of water from the heater cooler's outlet into each of the 4 bottles provided. To maintain control of the flow of water into the bottles a tubing clamp can be used to partially occlude the tubing. Carefulness is to be exercised to ensure the external environment does not contaminate the water while collecting the samples. The samples are to be packed and shipped overnight via FedEx using the shipping label provided with the test kit. The testing results will be emailed to info@keystoneperfusion.com within 7-10 days of collection.

<i>Adopted</i>	<i>Revised/Reviewed*</i>	<i>Source</i>	<i>Approved</i>
1/15/2016	1/15/2017	Louis Verdetto	See page 3