



Sanitation of RO (Type 3) Water Reservoir

1. Purpose:

To provide instruction on how to properly sanitize MilliQ-RO (Type 1 & 3) Water System.

2. Scope:

Applies to everybody using the MilliQ Water System.

3. Prerequisites:

WHMIS, EH601 Laboratory Biosafety Training, DB440 SST

4. Responsibilities:

Principal investigators are responsible to enforce this SOP and lab-personnel are responsible to comply. It is the responsibility of the designated person to follow this SOP during PM duties (yearly, prior to changing filters).

5. Personal Protection Equipment (PPE):



6. Procedure:

Treatment: Hydrogen peroxide to a final concentration of 0.5% (from 30%)

Materials needed: 1 bottle of 500 ml each of 30% Hydrogen peroxide per 30 L reservoir

Procedure

- 1) Fill-up 50 % of the reservoir total volume (15 L)
- 2) Add 500 ml of 30% Hydrogen Peroxide (check expiry date)
- 3) Complete filling reservoir to maximum volume (30 L)
- 4) Flush about 200 ml of water using tap (cleaning lines)
- 5) Let stand reservoir (water + hydrogen peroxide) for 4-6 hours
- 6) Empty tank
- 7) Refill completely and empty completely
- 8) Refill: Tank is now ready to use with RO water (Type 3)