

03.123 Potable Water Check (03. ECLSS)

OBJECTIVE:

To check the pH of the water from the Water Recovery System (WRS).

EQUIPMENT:

PPE Goggles

Water Recovery System (WRS) Kit

WARNING

Do not drink the water from the WRS product water tank port.

1. PERFORM pH CHECK

- 1.1 Retrieve the equipment from the WRS kit.
- 1.2 Don PPE Goggles.
- 1.3 Remove blue cap from the WRS product water tank port.



Figure 1. WRS Product water tank port

- 1.4 Connect WRS water testing syringe to the tank port.
- 1.5 Turn port valve to the open position so it is parallel with the sample port line.
- 1.6 Draw 11 cc of product water from the product water tank and dispense into a blue cup from the WRS kit. This could take more than one draw.
- 1.7 Close the tank port valve so that it is perpendicular to the sample port line.
- 1.8 Replace the blue tank port cap.
- 1.9 Remove pH meter from storage box.

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Figure 2. pH meter

- 1.10 Remove the black cap from the end of the pH meter.
- 1.11 Tilt the blue cup and submerge the end of the pH meter in the water. The water level needs to cover the notch in the pH meter.



Figure 3. pH meter in the cup (left) and Notch on pH meter (right)

- 1.12 Turn on the pH meter sliding the switch on the top of the meter to the left.
- 1.13 Call MCC with the indicated pH level.
- 1.14 Turn off the pH meter by sliding the switch on the top of the meter to the right.
- 1.15 Dry the pH meter with a paper towel and replace the black cap.
- 1.16 Dry the outside of the testing syringe.
- 1.17 Dispose of paper towel.
- 1.18 Dispose of the tested water in the hygiene module sink.
- 1.19 Doff goggles and stow.
- 1.20 Stow the equipment in the WRS kit.