

## **COPAS PLUS Maintenance Protocol MP-02 Sterilization Protocol**

### **Scope**

The Sterilization Protocol is intended for preparation of a sterile sort on the COPAS *PLUS*.

### **Materials**

70% ethanol  
Absorbent pad

### **Procedure**

STOP instrument.

After pressure gauges fall below 1 psi, detach sample and pressure hoses (sample first), open the sheath and sample containers, and discard any remaining sheath or sample.

Place 80 ml of 70% ethanol into the primary sample container and cap firmly.

Place 200 ml of 70% ethanol into the sheath container and cap firmly.

Attach sheath container to sheath inlet tubing.

If using the secondary sample container, add 200 ml of 70 % ethanol to container. Detach the aerators. Close the container and agitate to clean the interior of the container. Rinse thoroughly with distilled water and repeat.

Place 25 ml of ethanol into and syringe and expel this through the aerators. Clean the exterior of the aerators tubing with ethanol. Attach the aerators to the secondary sample container cap and close the container firmly.

Attach primary sample cup to the secondary sample container.

START the instrument.

When sheath and sample pressures have reached the factory set levels click Pressure OK. Click ACQUIRE and process the ethanol for 10 minutes.

Repeat the process with DI water.

**CAUTION:** Do not remove or clean any of the electrical connectors or cables of the COPAS *PLUS*.

**NOTE:** The secondary sample container and aerators may also be washed using a normal dishwasher or autoclaved.