

Washing Sample Holders, Vehicles, and Screws

Sample Holders, Vehicles, and Screws are purchased through [Cameca Inc.](#)

Materials

Sample Holder (Cameca Inc., part # 7001600630)

Sample Vehicle (Cameca Inc., part #0045621551)

Sample Screws (Cameca Inc., part # 0045621561)

Stiff Wire brush

Detergent

Deionized water

Bath Sonicator (Sweepzone Technology)

500 ml beaker, autoclaved

Acetone (Sigma-Aldrich #154598, ACS spectrophotometric grade $\geq 99.5\%$)

100% Ethanol (Sigma-Aldrich #493546, (200-Proof) USP/NF)

Petri dishes (Fisher Scientific-Falcon Standard dishes, 100 mm diameter)

Vacuum Oven with heater

Procedure

1. Clean all parts with water and detergent and wire brush to get off oil and dust.
2. Rinse thoroughly with deionized water
3. Place parts in separate beakers.
4. Fill each beaker with enough acetone to cover the contents.
5. Place in sonicator bath (heated to 80°C) for 5 minutes
6. Pour off acetone.
7. Repeat steps 4-6 three times (four times total).
8. Repeat steps 4-6 with 100% ethanol.
9. Put all parts into petri dishes (without lids) and into an oven heated to 70°C until parts are dry.
10. Place lids on all dishes and return them to oven. Store parts under vacuum and at 70°C.