

## Gatan Solarus plasma cleaning protocol

### System

Gatan Solarus Model 950 Advanced Plasma System



### Set-up

1. Prepare grids by placing them on a glass slide or a metallic grid holder.

### Protocol

1. Open specimen chamber door by lifting the handle. You will see a specimen stand.
2. Place grid holder onto the specimen stand, then lower the door.
3. Select the appropriate plasma cleaning protocol via the control panel.
  - a. For negative stain grids with 20 nm continuous carbon: "Carbon film standard" H<sub>2</sub>/O<sub>2</sub> for 30 sec.
  - b. Quantifoil grids: "Bill don't del" H<sub>2</sub>/O<sub>2</sub> for 1 min.
  - c. UltrAufoil grids: "Laura Gold" O<sub>2</sub>/Ar for 7 sec.
4. 'Start'. Watch for a plasma glow through the view port.
5. At the end of the protocol, select 'Vent' to vent the specimen chamber, then lift the specimen chamber door and remove your sample. Shut the specimen chamber door.
6. Log your plasma cleaning on the log sheet.
7. Make grids!

