

# EasiGlow Standard Operation Protocol

## 1. Preparation

Prepare the glass dish, grids, and grid holder.

## 2. Procedure

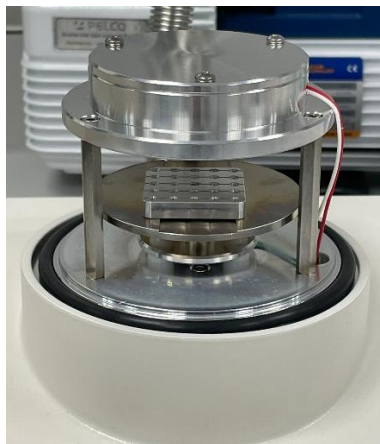
- Sign in the logbook with actual start time.
- Turn on the main power switch. Keep the vacuum pump always on.



- Gently place the glass chamber upside down on the table.



- Put grids on the grid holder block with the carbon film side facing upward.
- Place the grid holder block on the sample table.



- f) Cover the glow head with the glass chamber and center it on the o-ring. Check the setting on the screen and press "**AUTORUN**" if the setting is okay. The system default setting is as follow:

Pressure	0.40 mBar
Set	15mA
Glow	00:00:60
Hold	00:00:10
Polarity	Negative

(In most cases, you may only need to adjust the glowing time, which may improve the discharge performance.)

**Optional:**

Users can optimize the program depending on the sample properties. Press "**Prog**" to reprogram.

- Change the pressure by touching the screen. Enter the parameters and confirm the change by pressing "**ENT**".
- Press "**Next**" to change the time of Glow and Hold. Enter the parameters and confirm the change by pressing "**ENT**".
- Press "**Next**" to set the current and polarity. Enter the parameters and confirm the change by pressing "**ENT**".
- Press "**Next**" and then "**Auto**" to return to the Automatic run screen. Press "**AUTORUN**" to run the temporary program.

Notes: **\*\*The system only allows one setting to be saved in the system. To keep the default setting on the system, NEVER click "SAVE PROGRAM SETTINGS".\*\***

- g) After the pump reaches a stable pressure, the glow steps will proceed.
- h) After the glow steps finish, user can remove the glass chamber and take out the grid holder block without gloves.
- i) Shutdown the main switch on EasiGlow.
- j) Sign out the logbook with the actual finish time.