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PMMA Spin-coating

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Protocol status: Working
We use this protocol and it's working

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ABSTRACT

This protocol details how to spin coat a thin layer of PMMA on a glass cover slip.

GUIDELINES

Lab coat and gloves must be worn at all times.

MATERIALS

Materials:

- 70% ethanol
- Delicate task wipes (Kimwipes®)
- 100 µL pipette and tips
- Tweezers
- Hot plate
- Glass cover slip
- Spin Coater

Reagents:

- Poly(methyl methacrylate) [PMMA] solution

Prepare surface

- 1 Wipe cover slip with 70% ethanol using a delicate task wipe.

Spin-coat

2 Place cover slip into spin coater, centering with the square in the spin coater.

3 Dispense 30 μL PMMA solution onto the center of the cover slip.

4 Spin for 00:00:30 at 2000 rpm.

Note

This step can be varied, where higher angular velocities will form thinner coatings.

Bake substrate

5 Carefully remove cover slip from spin coater using tweezers.

6 Place cover slip onto 180 $^{\circ}\text{C}$ hot plate for 00:01:00 .