

Glass Coverslips Preparation for Halo-ligand Surfaces

Surface Cleaning

1. Sonicate/Wash surfaces for 30 min in detergent 1-2%.
2. Wash with DD water 10x.
3. Sonicate/Wash with acetone for 30 min.
4. Wash with DD water 10x.
5. Wash with ethanol HPLC grade.
6. Sonicate/Wash with ethanol for 30 min.
7. Remove alcohol and dry with air.

Silanization

1. Silanization with 1% silane (500 uL silane in 50 mL EtOH or MeOH) for 20 min.
3. Wash with EtOH (MeOH) 3-5 times and dry with air.
4. Bake for >20 min at 100 C.
5. Store in a desiccator (Vacuum)

Cover Surface Cleaning

1. Sonicate surfaces for 5-10 min in detergent 1-2%.
2. Wash with DD water 10x.
3. Wash with alcohol.
4. Dry in the oven for ~10 min.