
SUGGESTION TO MAKE AN OPV DEVICE FROM OS0502/PCDTBT

1. Cleaning

- ITO Substrates
- 10 min sonication in acetone bath, 10 min sonication in DI water bath and IPA bath
- Drying Oven

2. PEDOT:PSS coating

- 5 min ozone-plasma treatment
- PEDOT 4083
- 3000rpm/min at 30s, - 10 min/150 °C

3. Active layer coating

- Active solution : 5mg PCDTBT (1-Material/OS0502) + 20 mg PC70BM (1-Material/OS0633)
in 800 μl o-DCB (1:4) (A mixture of DIO/o-DCB may also be used).
- Hot solution 120 °C, - **Hot solution 80 °C when spin-coating**
- 800/1000 at 40 s

4. Metal Deposition

- Ca 5 nm, Al 80 nm . **Optional PFN interfacial layer (1-Material/OS0743 is recommended)**