AB-002

4 ML-Thick $\mathrm{CdSe}/\mathrm{CdSe}_{1-x}\mathrm{Te}_x$ Core/Alloyed Crown NPLs

> Core > A-001
> Shell > $\mathrm{CdSe}_{0.5}\mathrm{Te}_{0.5}$

- In **50ml** three necked flask **430uL** *A-001*, **5mL** *ODE*, **30mg** $\mathrm{Cd(Ac)_2 \cdot H_2O}$, and **45uL** *Oleic Acid* mixed and degassed at **80C** for **30mins**.
- Under *Nitrogen* the temperature set to **240C** when the temperature reached to **215C**, mixture of **3mL** *degassed ODE*, **45uL** *TOP-Se(1M)* and **45uL** *TOP-Te(1M)* injected with a rate of **2mL/h** until **1mL** of mixture injected.
- After the injection **0.5mL** of *Oleic Acid* added to the mixture and the mixture cooled.
- After cooling **5mL** of *n-hexane* added and centifuged for **10 mins**.
- The precipitate dissolved in *toluene* for storage.