

Supporting Information

Temperature-Responsive Selenium Nanohydrogel for Strawberry Grey Mould Management

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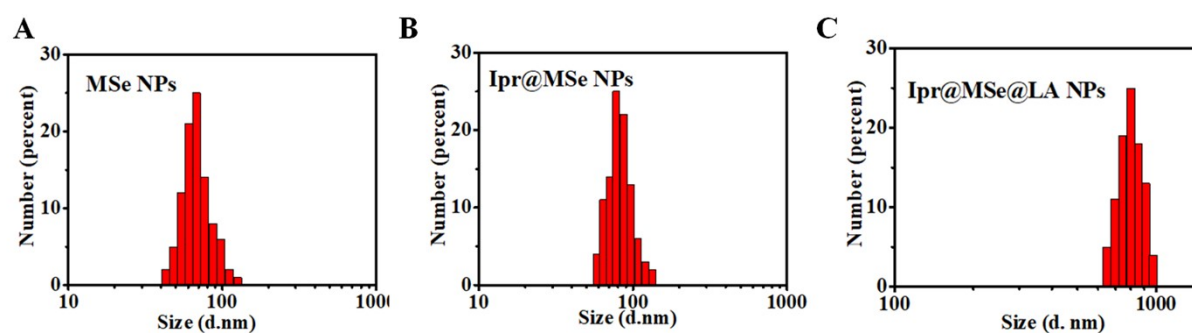


Fig. S1. Hydrodynamic diameters and distributions of (A) MSe NPs, (B) Ipr@MSe NPs and (C) Ipr@MSe@LA NPs.

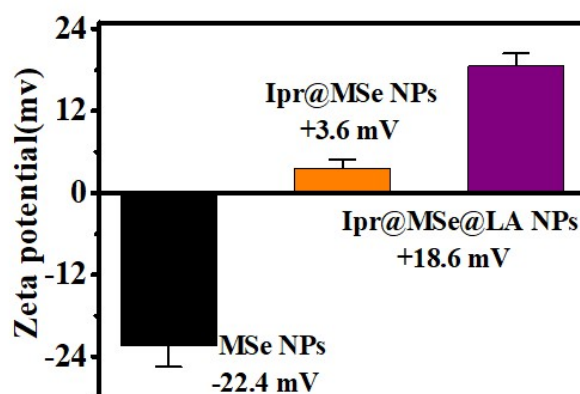


Fig. S2. Variation of zeta potentials of Se NPs, Ipr@Se NPs and Ipr@Se@LA NPs during the synthetic process.

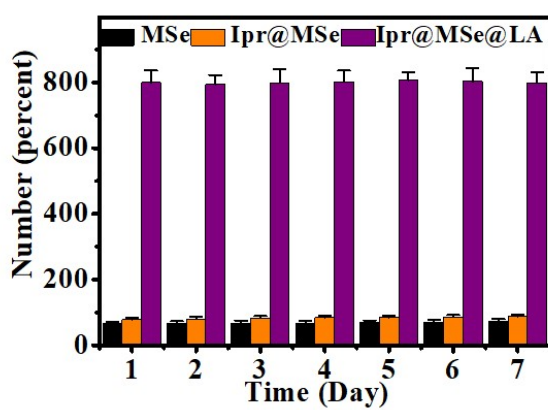


Fig. S3. The size of nanoparticles at each stage at different time (1-7 days).

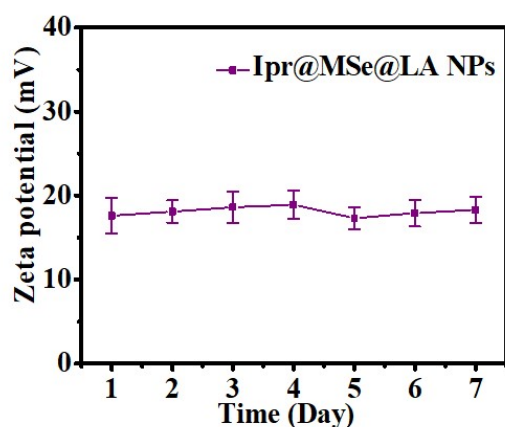


Fig. S4. The relative zeta potential change of TM@Se@PAA NPs at different time (1-7 days).

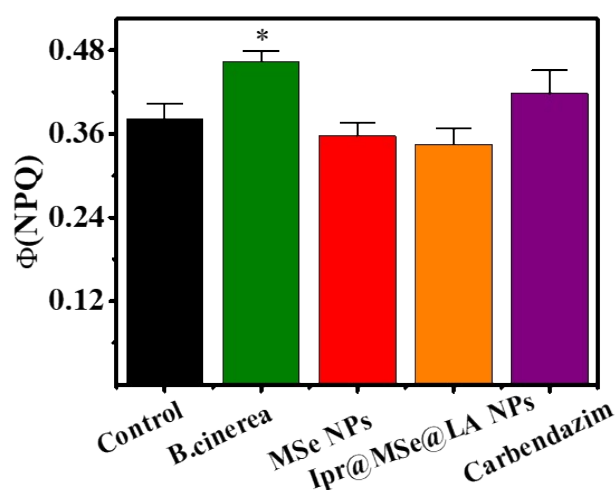


Fig. S5. Quantum yield of regulatory energy dissipation (Φ NPQ) of PSII in strawberry plants treated with different samples: no processing (control), inoculating *B.cinerea*, MSe NPs, Ipr@MSe@LA NPs and carbendazim. (Statistical differences between groups of *B. cinerea*, MSe NPs, Ipr@MSe@LA NPs and carbendazim vs control group were compared by * $P < 0.05$, ** $P < 0.01$, respectively). Each bar represents the mean SD (n=5).

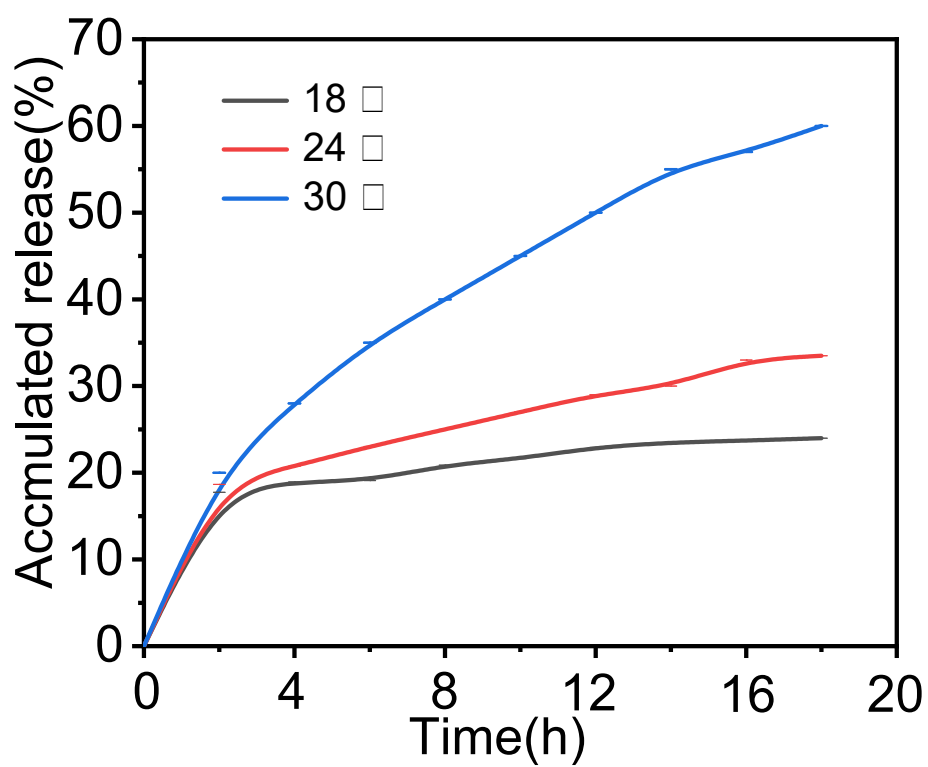


Fig. S6. The release behavior of Ipr@MSe@LA NPs at 18、24、30 °C.