**Supplementary Materials**

**Tellurium-containing Polymer Coating with Glutathione Peroxidase Mimics Capability for Surface Modification of Intravascular Implants**

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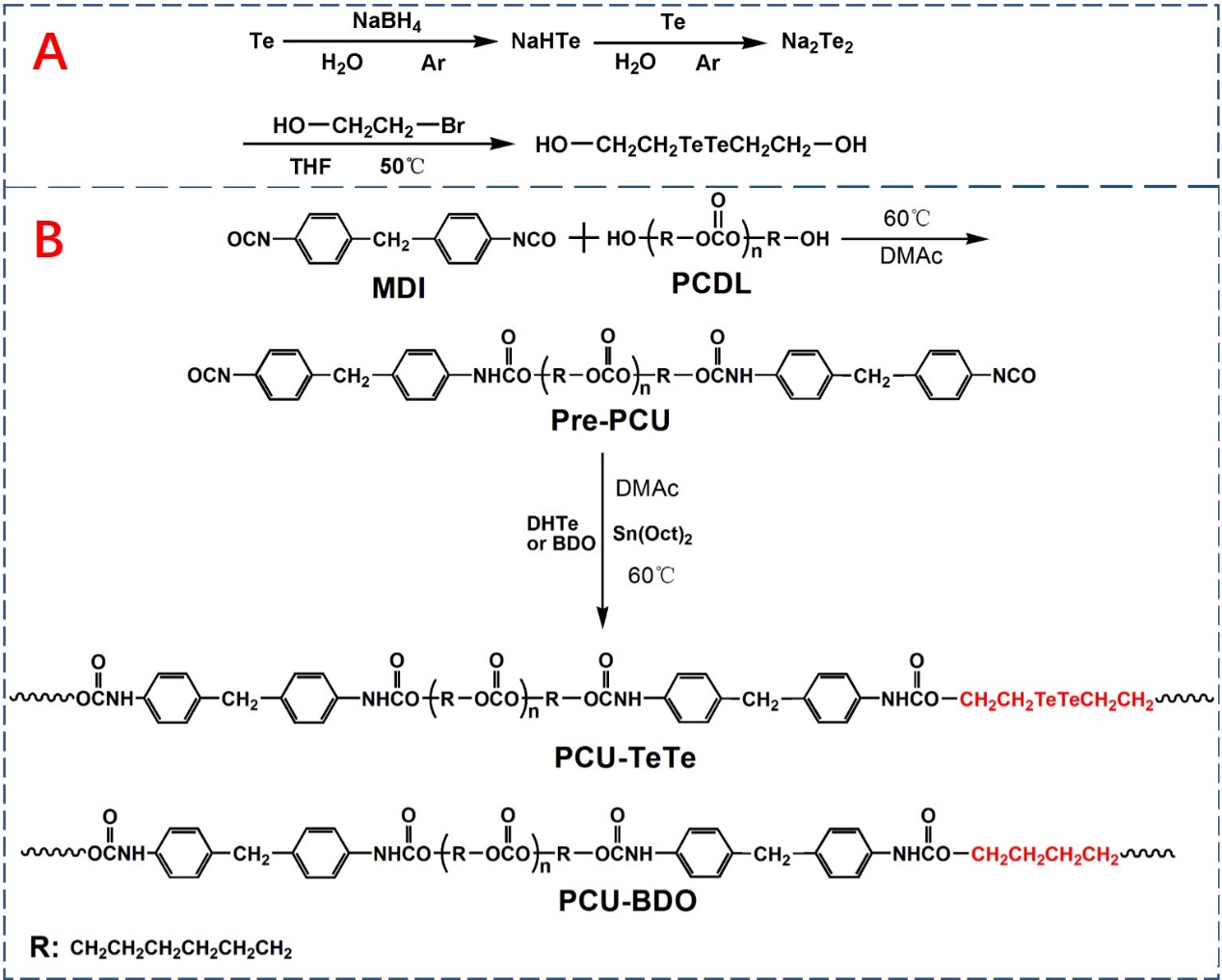


Figure S1: Synthetic route of (A) DHTe, (B) PCU-TeTe, and PCU-BDO.



Figure S2: ESI-MS result of DHTe.

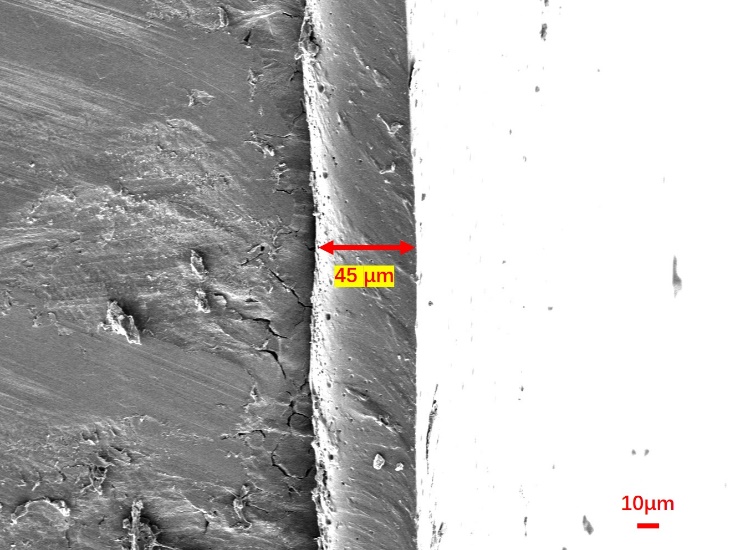


Figure S3:SEM result of the cross section of PCU-TeTe coating.

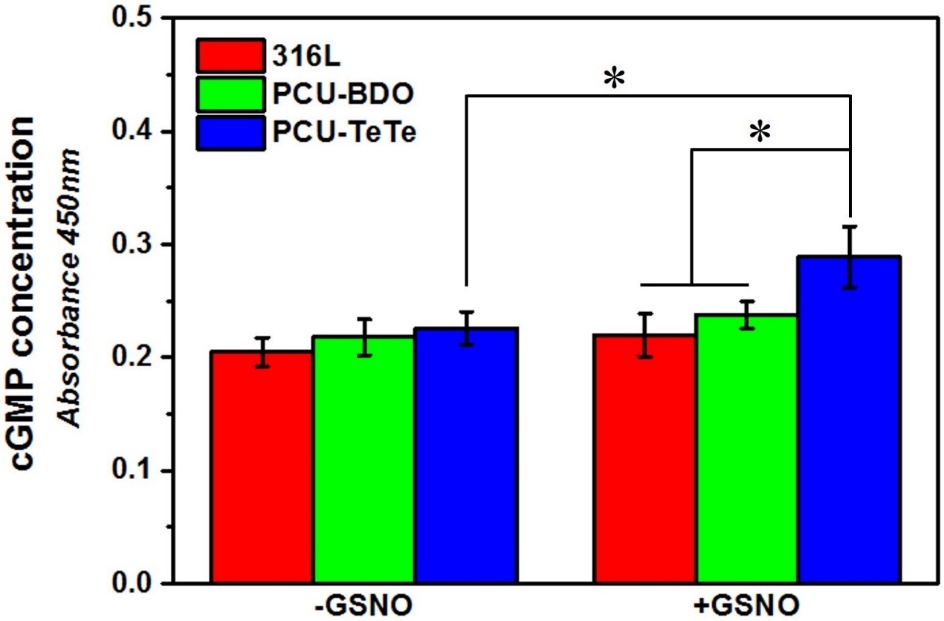


Figure S4:The expression level of cGMP in SMC of 316L, PCU-BDO and PCU-TeTe samples surface (\*\**p* < 0.01, mean ± SD, *n* = 5).

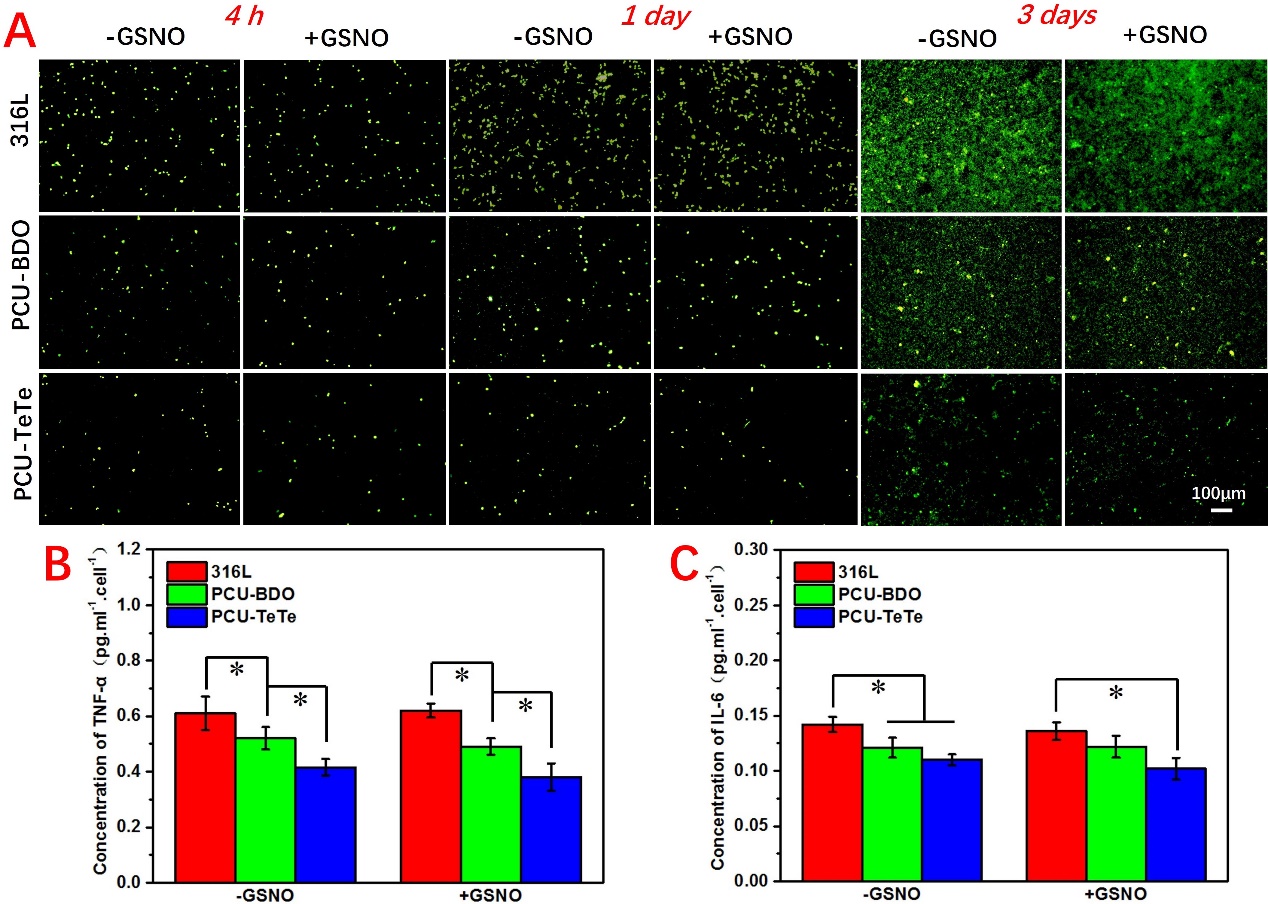


Figure S5: (A) Cal-AM fluorescence staining of MA on the surface of 316L, PCU-BDO and PCU-TeTe. (B) Quantitative results of TNF-α and (C) IL-6 of MA cultured for 3 days (\*\**p* < 0.01, mean ± SD, *n* = 5).

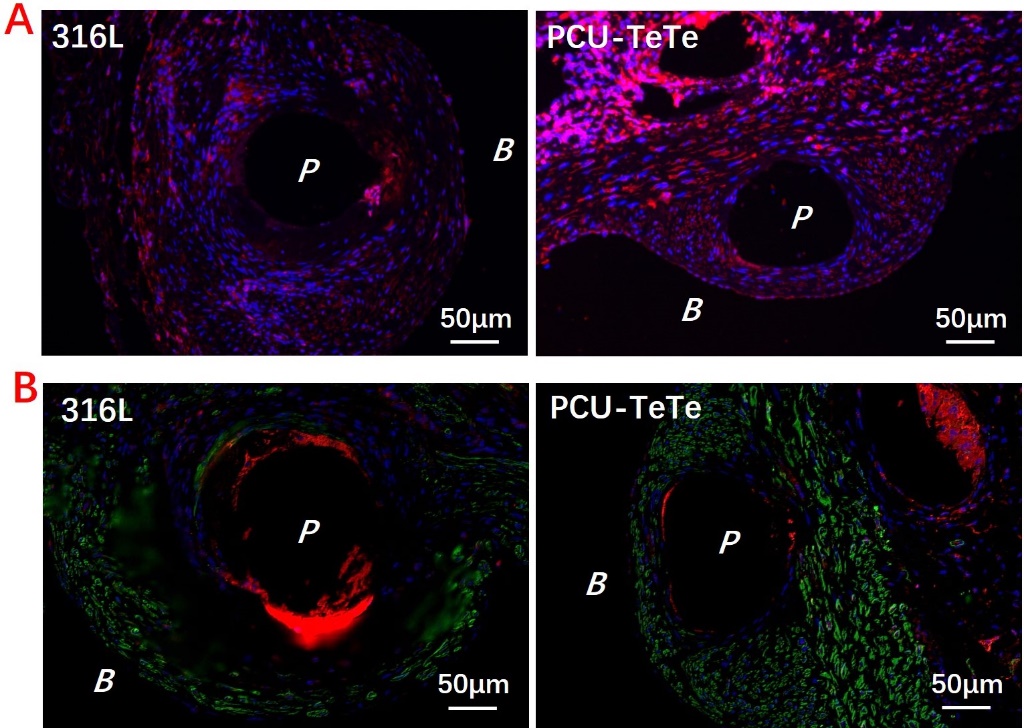


Figure S6: (A) Immunofluorescence staining of CD 206 in surrounding tissue (red represents the positive expression of an anti-inflammatory MA phenotype). (B) The results of α-SMA and OPN immunofluorescence double staining of surrounding tissues (red represents the positive expression of OPN of synthetic SMC, green represents the positive expression of α-SMA of contractile SMC, *P* is the location of sample implantation, *B* is the location of blood flow).