

Supporting information for

**Biodegradable polyurethane nerve guide conduits
with different moduli influence axon regeneration in
transected peripheral nerve injury**

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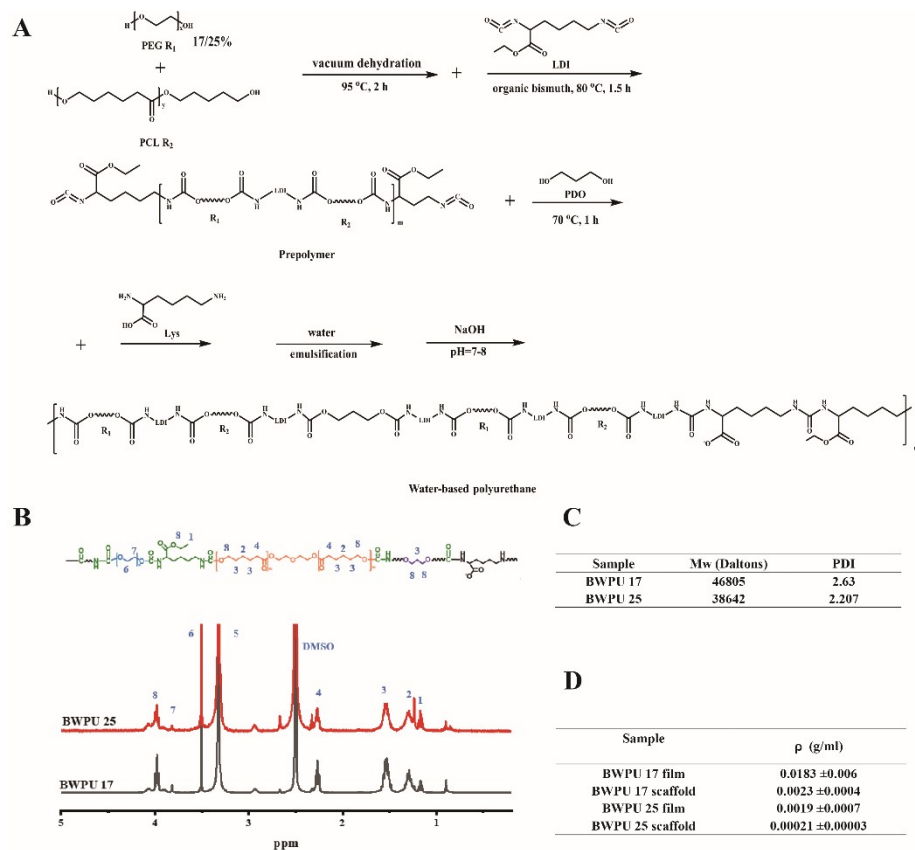


Figure S1. A. Schematic of the synthesis of BWPU. B. ^1H -NMR spectra of BWPU. C. Molecular weights of BWPU. D. Density of BWPU scaffolds and films.



Figure S2. Surgical procedures of sciatic nerve. A. expose 10mm of sciatic nerve. B. excise sciatic nerve and suture BWPU NGCs. C. excise sciatic nerve and suture autologous nerve.

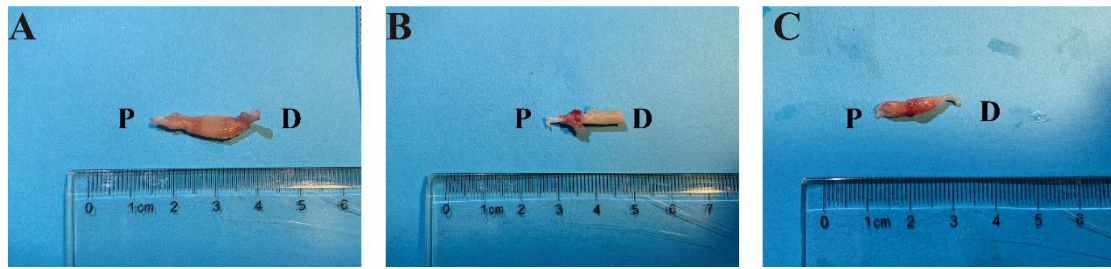


Figure S3. Visual inspection of sciatic nerve at 2 weeks post injury. A. BWPU 17, B. BWPU 25. C. autologous nerve. P: proximal, D: distal.