ADVANCED MATERIALS

Supporting Information

for Adv. Mater., DOI: 10.1002/adma.201306304

Materials, Designs, and Operational Characteristics for Fully Biodegradable Primary Batteries

Lan Yin, Xian Huang, Hangxun Xu, Yanfeng Zhang, Jasper Lam, Jianjun Cheng, and John A. Rogers*

Copyright WILEY-VCH Verlag GmbH & Co. KGaA, 69469 Weinheim, Germany, 2013.

Supporting Information

Materials, Designs and Operational Characteristics for Fully Biodegradable Primary Batteries

By Lan Yin, Xian Huang, Hangxun Xu, Yanfeng Zhang, Jasper Lam, Jianjun Cheng and John A. Rogers*

Figure S1: Synthetic and degradation schemes of polyanhydrides.

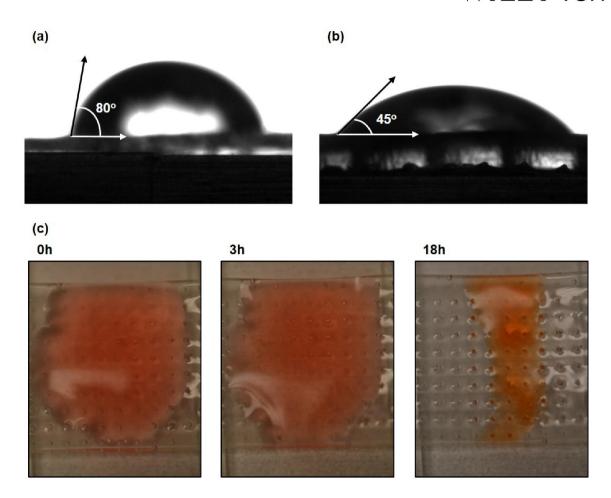


Figure S2: Contact angle measurements of (a) polyanhydride film (\sim 80°); (b) porous polyanhydride film (45°); (c) Effectiveness of porous polyanhydride film as a water barrier: the film hanging in air holds colored phosphate buffered saline without leaking through for up to 18 hours (saline evaporates into air at the same time during the observation process).