

## Supporting information

### Construction of biocompatible regenerated cellulose/SPI composite

#### beads by high-voltage electrostatic technique

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### **Details in the methods for the measurement of FTIR spectra and XRD patterns of RCSB-3-n**

The RCSB-v-n and raw materials (cellulose and SPI powder) were frozen in liquid nitrogen and vacuum-dried at 60 °C for 24 h. The beads were crushed into fine powder and pelletized with KBr into discs samples for measurement by FT-IR spectroscopy over wavelengths from 4000 to 400  $\text{cm}^{-1}$ .

The XRD patterns of the RCSB-v-n and raw materials (cellulose and SPI powder) were collected using an X-ray diffractometer with monochromatic Cu  $K\alpha$  radiation ( $\lambda=1.5418 \text{ \AA}$ ) at 40 kV and 30 mA with a scan rate of 4 °/min. The diffraction angle ranged from 4 to 40°.