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Supplementary information

Preparation and characterizations of a novel positively charged composite hollow fiber nanofiltration membrane based on chitosan lactate

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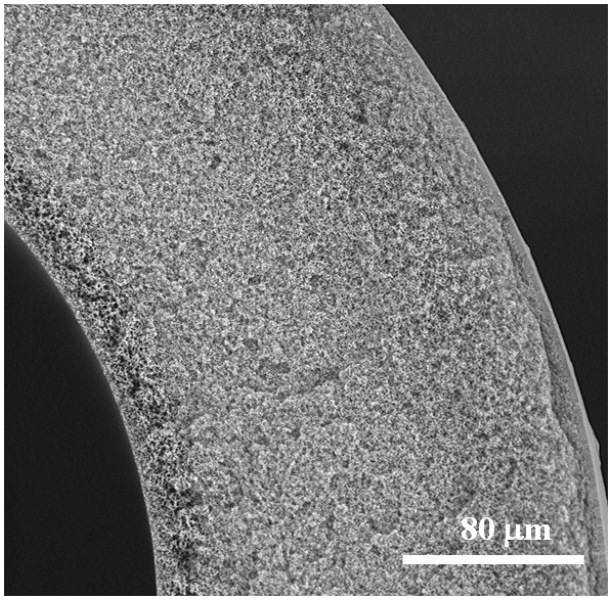

Fig. S1. SEM images of the structure morphology of PES hollow fiber UF membrane

Table. S1. The parameters of PES hollow fiber UF membrane.

Characteristics	Parameters
MWCO (Da)	50 k
Outer diameter (mm)	1.2
Inner diameter (mm)	0.8
Pore diameter (μm)	0.01
Bursting strength (MPa)	1.4

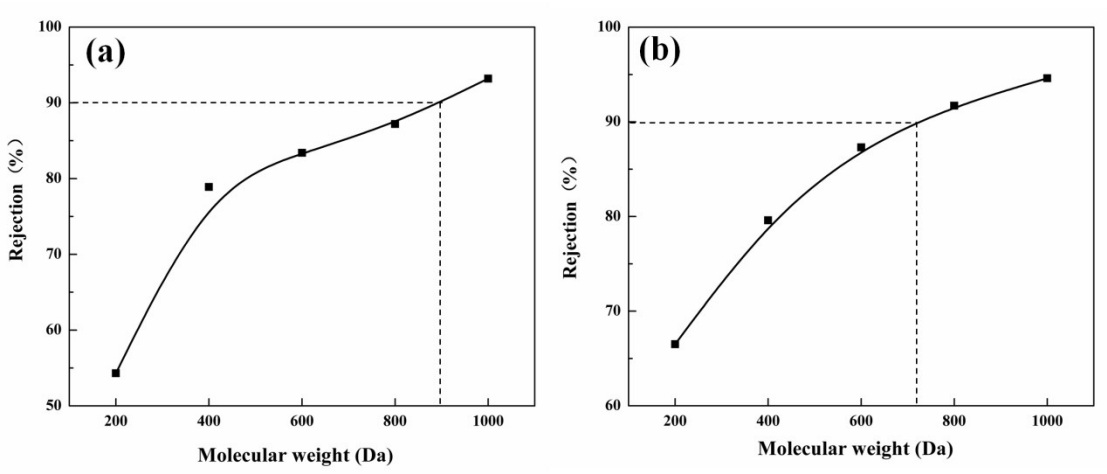

Fig. S2. Rejections of the CL/PES composite hollow fiber NF membranes to PEG with different molecular weights.(a: curing temperature of 30 ºC, b: curing temperature of 60 ºC)

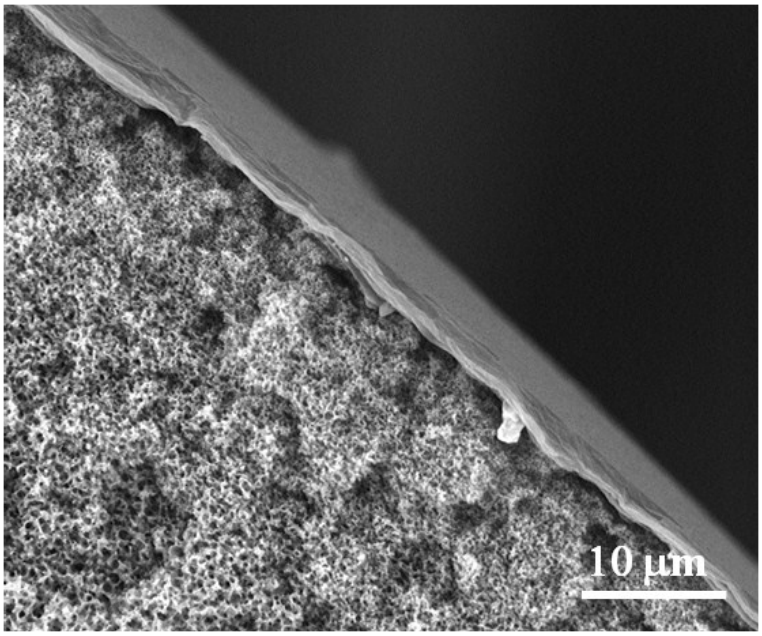

Fig. S3. The SEM image for cross-section morphologies of the NF membrane prepared under the curing temperature of 150 ºC