

Supplementary Material: Theoretical Evaluation of Polyelectrolyte Layering during Layer-by-Layer-Coating of Ultrafiltration Hollow Fibre Membranes

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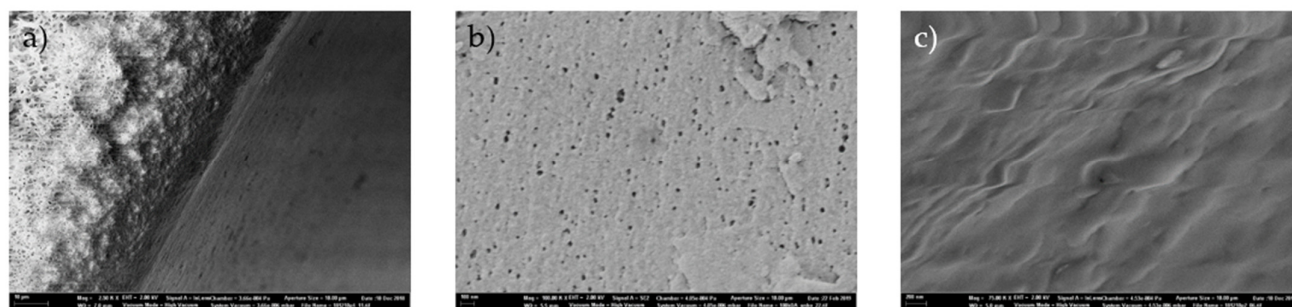


Figure S1. Scanning electron microscopy (SEM) pictures of the 100 kDa hollow fibre membrane. a) Crosssection and b) surface of a dried uncoated membrane, and c) Surface of a dried, 8 double layer coated membrane (taken from [1]).

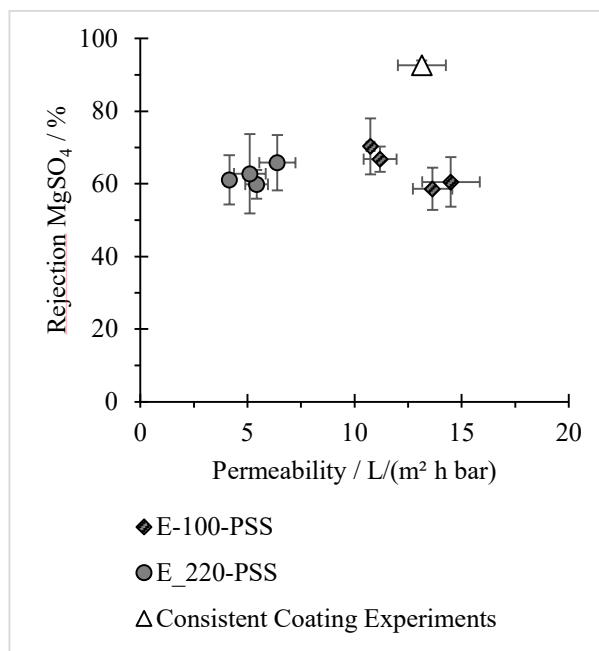


Figure S2. Rejection rate vs. permeability for experimental data in this study (E-100-PSS, E-220-PSS) and other conducted experiments (Consistent Coating Experiments, $n = 5$). Membranes of “Consistent Coating Experiments” were modified in one consistent coating process without rejection experiments between each coating step. General coating and filtration parameters were comparable.

References

1. Dillmann, S.; Kaushik, S.A.; Stumme, J.; Ernst, M. Characterization and Performance of LbL-Coated Multibore Membranes: Zeta Potential, MWCO, Permeability and Sulfate Rejection. *Membranes* **2020**, *10*, 412, doi:10.3390/membranes10120412.