

Table S1. The effect of PDA coating time on the absorbance of BSA permeate solution.

membrane	Contact angle(°)
0	0.1096
2	0.0982
4	0.0847
6	0.0787
8	0.0703
10	0.0558
12	0.0498
24	0.0449

Table S2. Adsorption rates of bilirubin on the membranes.

time	bilirubin concentration (mg/mL)		
	iPES	iPES/PDA	iPES/PDA/Lys
0.5	198.0	198.8	196.1
1	194.9	192.9	189.2
1.5	194.8	190.7	183.5
2	194.0	189.0	181.1
2.5	194.1	188.0	179.6
3	194.0	185.3	176.8
3.5	194.0	185.2	177.1
4	194.0	185.1	176.4
4.5	193.8	185.6	176.2

Table S3. The bilirubin concentrations before and after adsorption with membranes.

bilirubin initial concentration (mg/mL)	bilirubin equilibrium concentration (mg/mL)		
	iPES	iPES/PDA	iPES/PDA/Lys
100	96.2	91.3	87.1
150	145.3	138.9	130.9
200	194.0	185.5	176.5
250	243.9	235.2	227.1
300	294.2	285.3	276.5