



## Supplementary Materials

**Table S1.** Dope Composition and Surface Modification of Membranes

Membrane	PES (wt%)	NMP (wt%)	PVP (wt%)	Surface Modification
P1	25	75	0	-
P2	25	69	6	-
P3	25	69	6	PDA
P4	25	69	6	Ag/PDA

**Table S2.** Elemental Composition of Membranes

Membrane	Atomic Percentage (At%)				
	Carbon (C)	Oxygen (O)	Sulphur (S)	Nitrogen (N)	Silver (Ag)
P1	72.12	17.50	10.38	-	-
P2	74.27	15.17	9.22	1.34	-
P3	67.37	18.06	10.54	4.03	-
P4	63.36	19.68	10.18	5.00	1.78

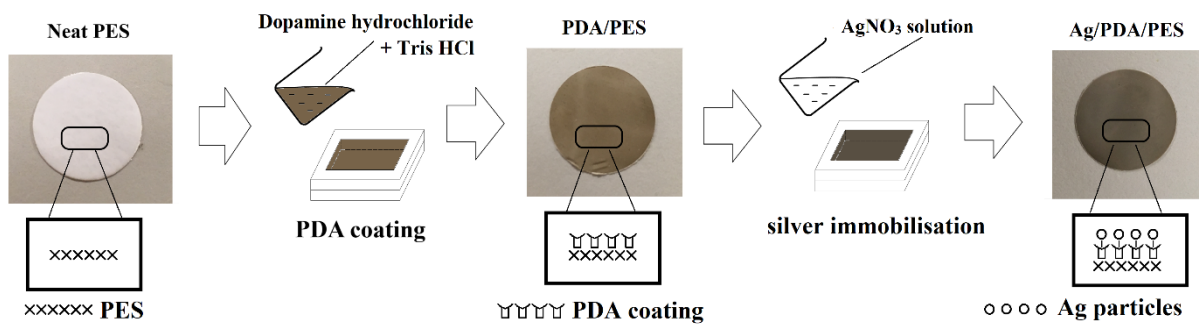


Fig. S1. Graphical illustration of membrane surface modification.

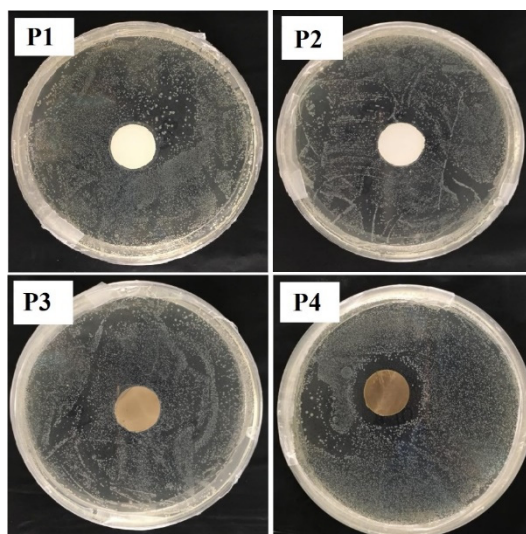


Fig. S2. Bacterial inhibition zone test of membranes.

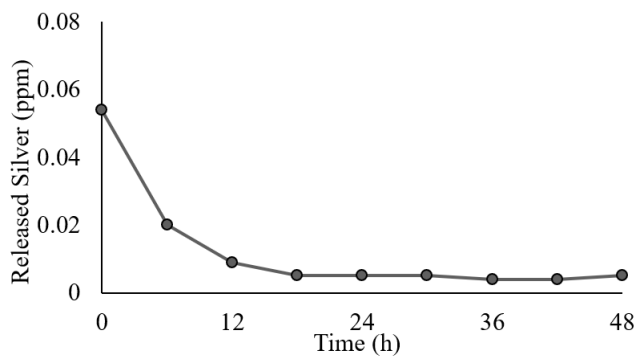


Fig. S3. Amount of released Ag in the permeate against time.