BSA 오염에 의한 음이온교환막의 전기화학적 특성분석

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Characterization of the electrochemical properties of an anion exchange membrane by the BSA fouling

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The electrochemical properties were characterized in order to investigate fouling effect on an anion exchange membrane using the current-voltage relationship and chronopotetiometry. Changes in the characteristic values for the current-voltage relationship and chronopotentiometry indicate that the BSA deposition on the membrane surface affected the properties of an anion exchange membrane and that its fouling potential could be measured by the electrochemical methods.

Keywords: Fouling; Electrochemical method; anion exchange membrane; Electrodialysis