

Title (en)
SEPARATION OF MICROMOLECULES

Title (de)
TRENNUNG VON MIKROMOLEKÜLEN

Title (fr)
SEPARATION DE MICROMOLECULES

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Abstract (en)
[origin: CA2405027A1] An electrophoretic separation apparatus for separating micromolecules, the apparatus comprising: (a) a cathode; (b) an anode disposed relative to the cathode so as to be adapted to generate an electric field in an electric field area therebetween upon application of a voltage potential between the cathode and the anode; (c) a separation membrane disposed in the electric field area; (d) a first restriction membrane disposed between the cathode and the separation membrane so as to define a first interstitial volume therebetween; (e) a second restriction membrane disposed between the anode and the separation membrane so as to define a second interstitial volume therebetween; and (f) means adapted to provide a sample constituent in a selected one of the first and second interstitial volumes; wherein upon application of the voltage potential, a selected separation product is removed from the sample constituent, through the separation membrane, and provided to the other of the first and second interstitial volumes, wherein a micromolecule is capable of being retained in at least one of the interstitial volumes.

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