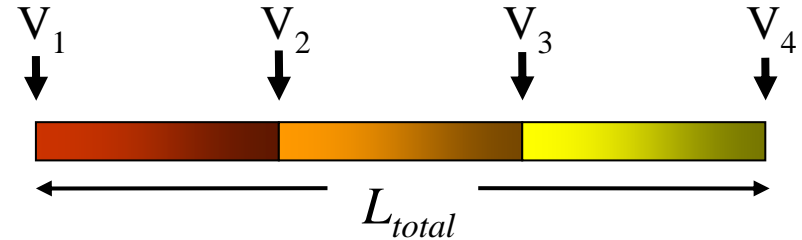


Microchip Countercurrent Electroseparation

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Aim: to separate and focus charged molecules in microchannels by balancing their electrophoretic and electroosmotic fluxes



$$j_{EPh} + j_{EO} = 0$$

Experimental Conditions:

R-Phycoerythrin + BSA-FITC
mixture in 5 mM lysine buffer
pH = 9.6
Channel diameter: 200 μm

