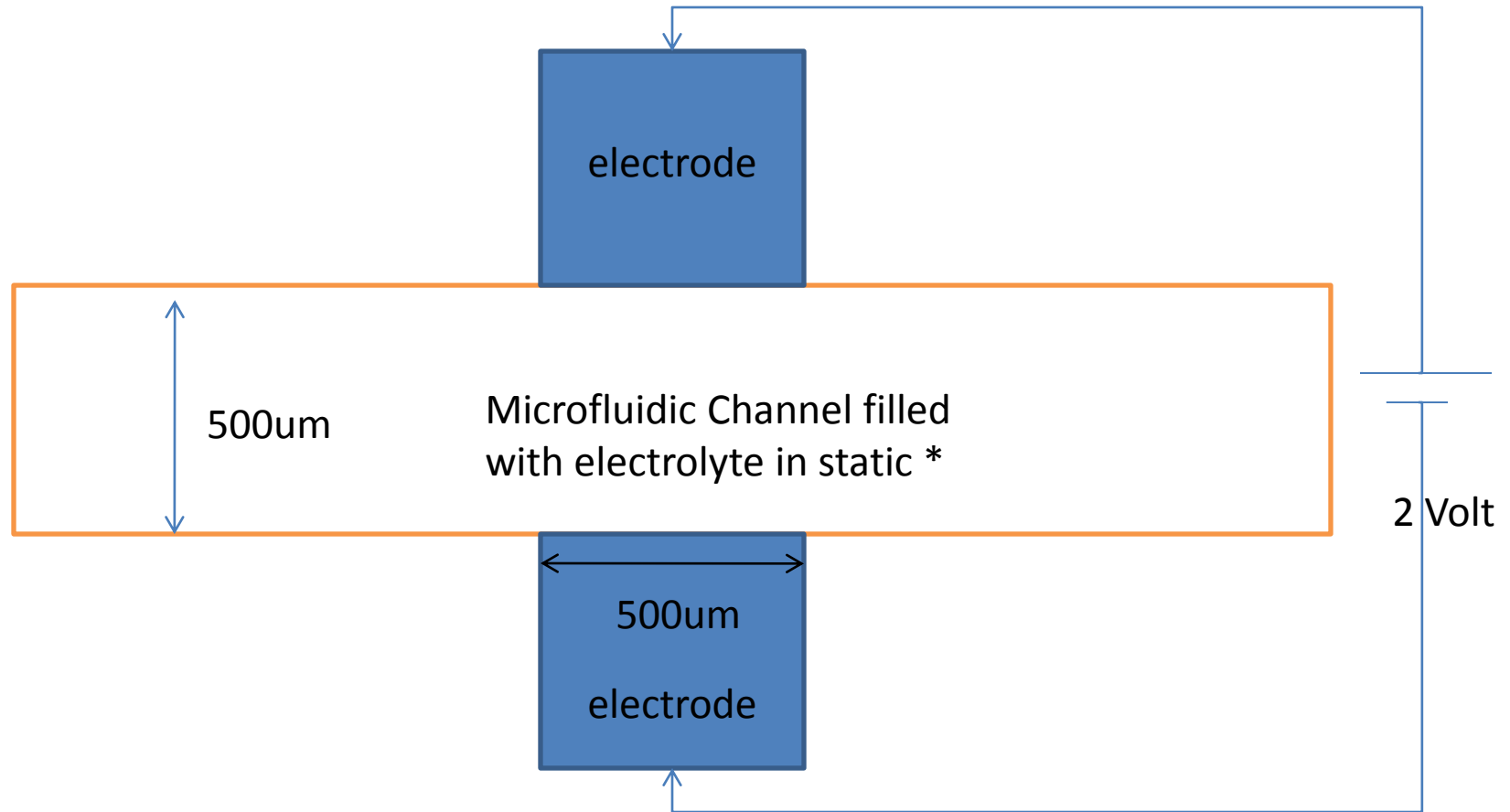# Top view of the device

*I'd like to estimate the hydrogen ions distribution(or pH value) in the channel when there is external electrical voltage(2V, it may vary) applied at two electrodes. The electrodes are in direct contact with the electrolyte solution. The electrolyte solution is in pH value of 7(10^{-7} mol/m^3) or 5.