



Supplementary Figure 2 pH, H₂ and O₂ maintain constant in culture medium in a closed flask filled with a mixed gas.

DMEM culture medium with dissolved H₂ and O₂ was prepared as described in **Methods**. PC12 cells (5×10^5) were cultured in medium with or without antimycin A (10 μ g/ml) in a closed culture flask (25 cm²) filled with a mixed gas composed of 75% of H₂, 20% of O₂ and 5% of CO₂. At the indicated time, pH, H₂ or O₂ in the medium was monitored with a pH meter, H₂ or O₂ electrode. One flask was used for one measurement. Data show the mean \pm SD ($n = 4$).