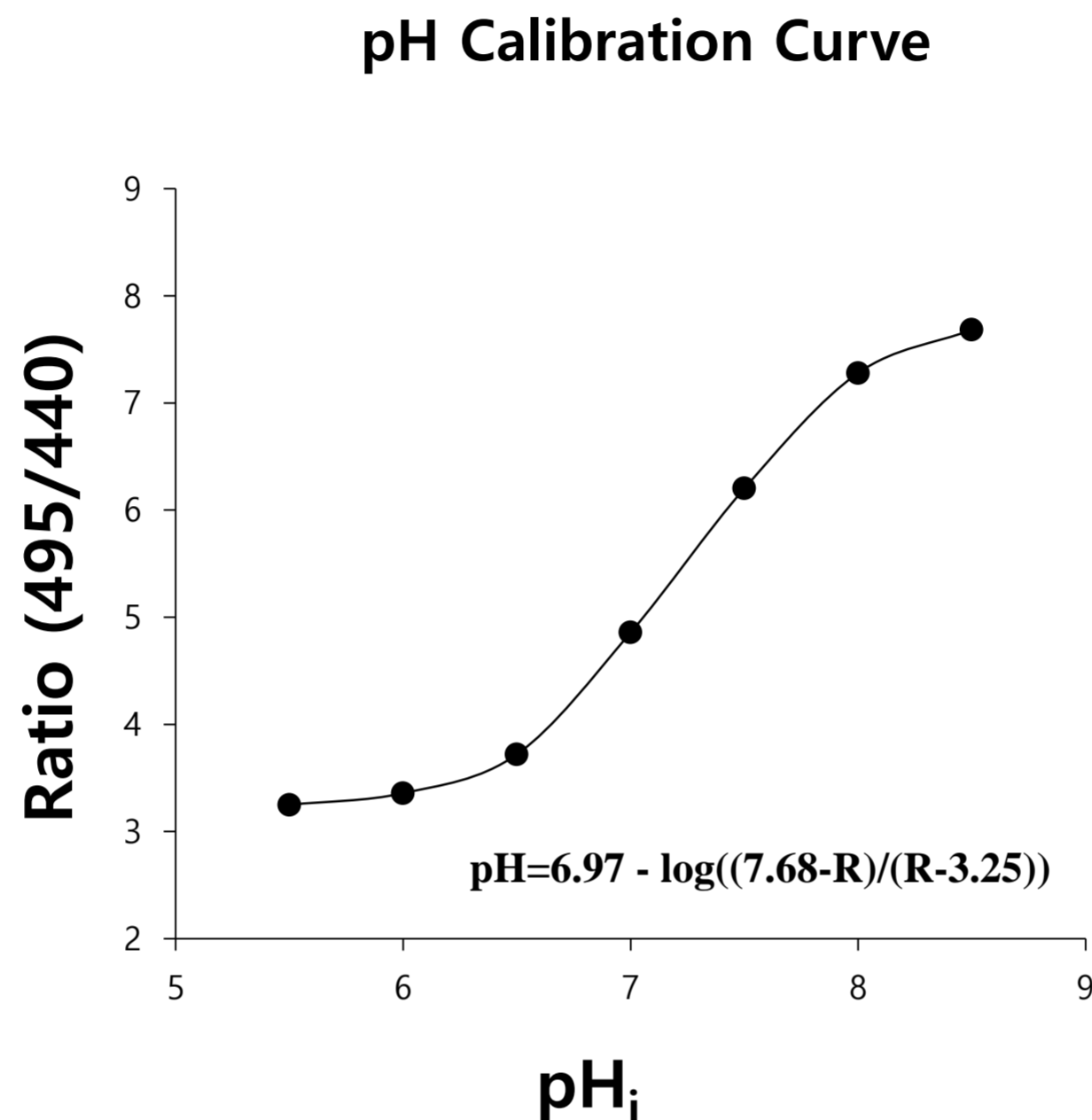


Supplementary Figure



Supplementary Figure 1. pH calibration curve for LV cardiac strips at pH 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, and 8.5. Ratios of BCECF-AM (Teflabs) were converted to pH unit as described previously (Nehrke, 2006; Rochon et al., 2007). Briefly, cardiac strips were incubated in the calibration solution (pH 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, and 8.5) for 5 min at room temperature. The equation of pH calibration curve was $\text{pH} = \text{pKa} + \log\left(\frac{R_{\text{max}} - R}{R - R_{\text{min}}}\right)$ (R: ratio value of BCECF, R_{max} : maximum ratio, R_{min} : minimum ratio, pKa value of BCECF: 6.97). The BCECF fluorescence ratio was converted to the changes in pH_i (ΔpH_i) value, followed by the calibration curve.

* All supplementary data and figure used to support the findings of this study are included within the article