

Supporting Information

Hydrogel-based Fluorescent Dual pH and Oxygen Sensors Loaded in 96-well Plates for High-throughput Cell Metabolism Studies

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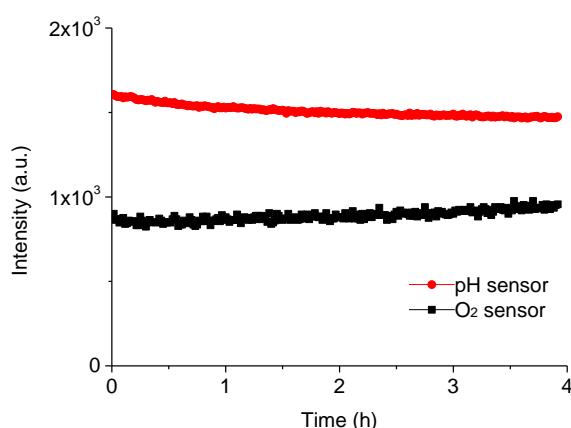


Figure S1. The photostability of O₂ sensor and pH sensor. Emission intensity of oxygen probes was monitored at 645 nm with an excitation of 405 nm; emission intensity of pH probes was monitored at 525 nm with an excitation of 488 nm.

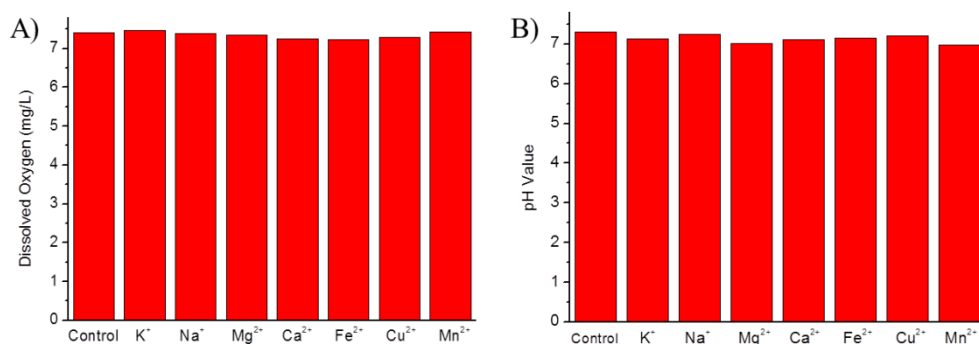


Figure S2 dissolved oxygen changes (A), and pH changes (B) for the sensing films in the presence of various biological cations at their physiological concentrations in B.R. buffer (pH 7.4): KCl (5.0 mM), NaCl (15 mM), MgSO₄ (2.5 mM), CaCl₂ (0.5 mM), FeCl₂ (18 mM), CuCl₂ (16 mM) and MnCl₂ (0.9 mM).