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Supporting Material

Assessment of SR Ca^{2+} depletion during spontaneous Ca^{2+} waves in isolated permeabilised rabbit ventricular cardiomyocytes.

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Online Data Supplement

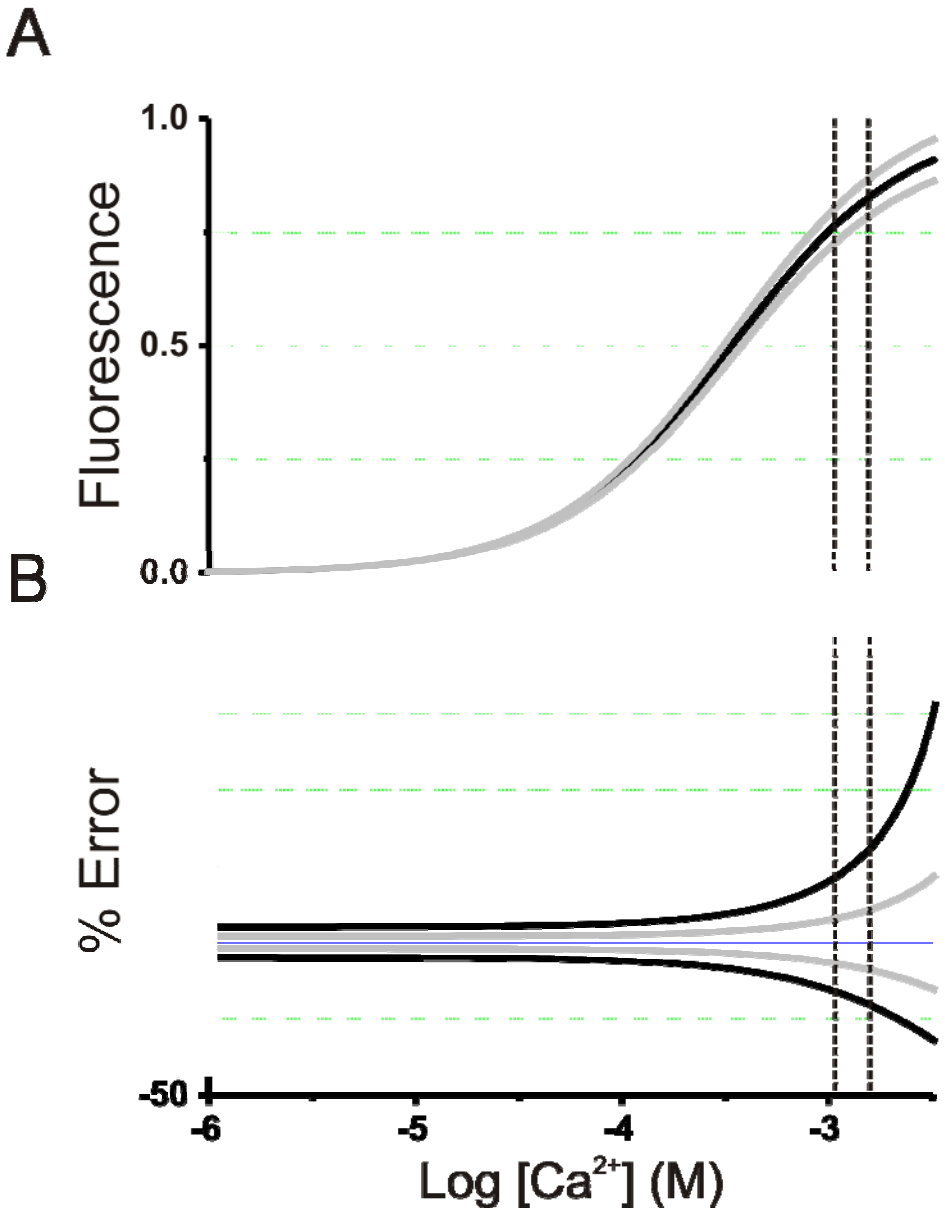

Figure S1. % error in [Ca^{2+}] calculation based on affinity of Fluo-5N with 2 and 5% error in fluorescence measurement.

Panel A, solid black line is the relationship between [Ca^{2+}] and fluorescence +/-5% (grey lines). Panel B, the effect of a +/-5 (solid lines) and 2% (grey lines) error in detection of fluorescence cause to calculation of [Ca^{2+}] based on a kd of 0.4 mM. Dotted vertical lines indicate resting

SR [Ca^{2+}] in control cells (1.1 mM) and those exposed to 50μM tetracaine (1.6 mM). This indicates that error in measurement is ~2.5 times higher at 1.6 than at 1.1 mM.