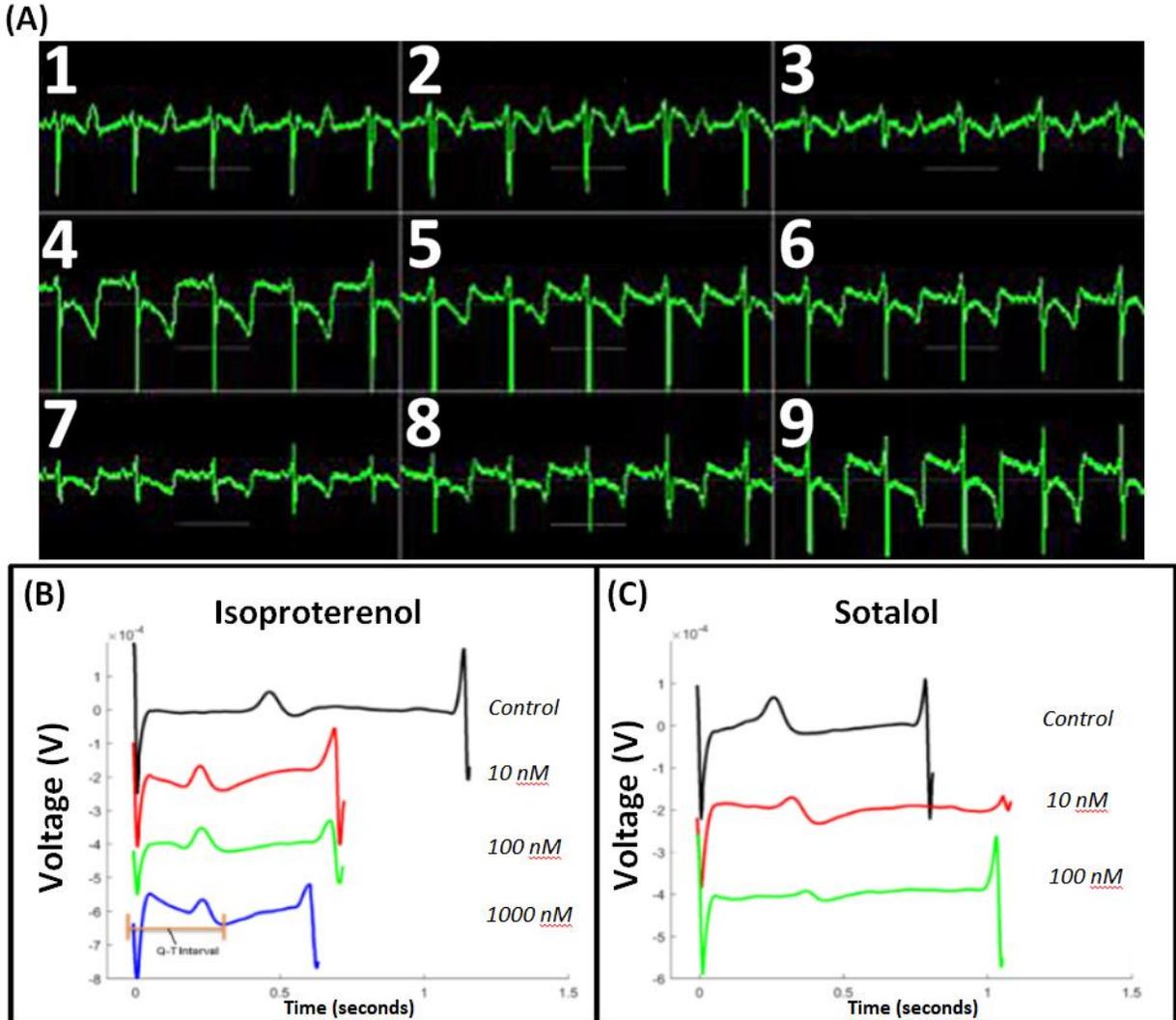


Supplemental Figure 4: Field Potentials from Engineered Cardiac Grafts



Supplemental Figure 4. Field potentials obtained from the Maestro MEA (Axion BioSystems), each in its own individual well with 64 flat gold electrodes.

(A) Sinus-like regular field potentials with negative or biphasic QRS complexes and clearly discernable T waves in nine independent engineered cardiac grafts.

(B) Application of non-specific beta-adrenergic receptor agonist Isoproterenol revealed graded increases in beat rate (RR interval) and graded decreases in QT interval.

(C) Application of non-specific beta-adrenergic receptor antagonist sotalolol revealed graded decreases in beat rate (RR interval) and graded increases in QT interval.