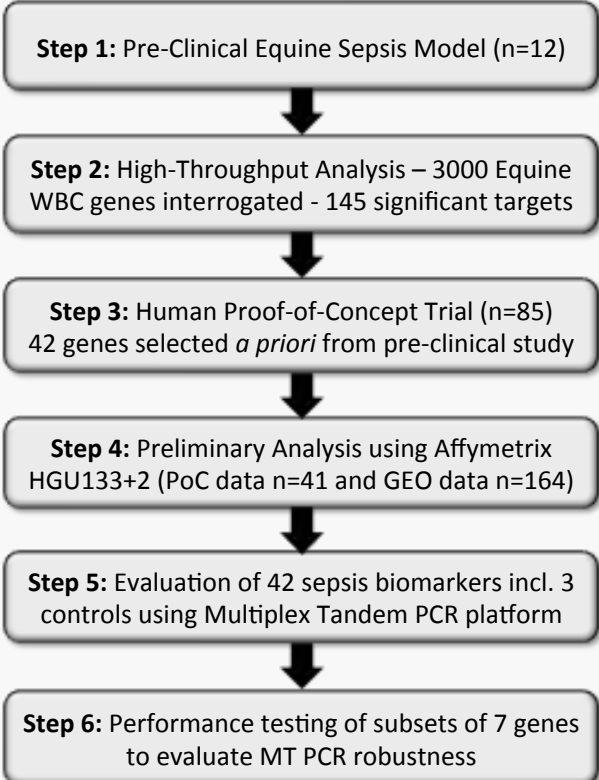


Step 1: Pre-Clinical Equine Sepsis Model (n=12)



Step 2: High-Throughput Analysis – 3000 Equine WBC genes interrogated - 145 significant targets

Step 3: Human Proof-of-Concept Trial (n=85)
42 genes selected *a priori* from pre-clinical study

Step 4: Preliminary Analysis using Affymetrix HGU133+2 (PoC data n=41 and GEO data n=164)

Step 5: Evaluation of 42 sepsis biomarkers incl. 3 controls using Multiplex Tandem PCR platform

Step 6: Performance testing of subsets of 7 genes to evaluate MT PCR robustness