Figure 1  Schematic of SeptiCyte Lab Development and Clinical Evaluation

**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