



SUPPLEMENTARY FIG. S6. Physiological drifts in culture pH. CD34⁺ HSPCs were seeded in X-VIVO 10 with cocktail “c” (Table 1) using IL-3 from R&D Systems and maintained at 5% O₂ and pH 7.2. On day 5, cells were washed, resuspended at pH 7.4/20% O₂, and supplemented with cocktail 3 (Table 1). On day 7, cells were washed and resuspended in media adjusted to pH 7.6 and supplemented with cocktail 3. Method 1 (**A**) or Method 2 (**B**) was used to measure pH during the culture period. Data represent the mean ± SEM for *n*=2 donors.