

SUPPLEMENTARY FIG. S4. Mk production and differentiation are strongly influenced by serum-free media and IL-3 sources. CD34⁺ HSPCs were cultured in X-VIVO 10, X-VIVO 20, HPGM, StemSpan H3000, or StemLine II media with IL-3 from Peprotech or R&D Systems. Cells were supplemented with cocktail "c" (Table 1) at 5% O₂/pH 7.2 from days 0 to 5. On day 5, cells were washed and resuspended in the same media at pH 7.4/20% O₂ with cocktail 3. On day 7, cells were washed and resuspended in the same media at pH 7.6/20% O₂. (A) Total cell fold-expansion, the percentages of (B) CD34⁺ and (C) CD41⁺ cells in the viable population, (D) the number of CD41⁺ cells produced per input HSPC, (E) the percentage of high-ploidy (>4N) Mks, and (F) the number of high-ploidy Mks produced per HSPC. Data represent the mean ± SEM for *n*=3 donors.