

SUPPLEMENTARY FIG. S5. Increasing pH and adding NIC did not affect CD41 or CD42b expression. 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. (**A**, **C**, **E**) On day 7, cells were washed and resuspended in media adjusted to pH 7.4 (squares) or 7.6 (triangles) and supplemented with cocktail 3. (**B**, **D**, **F**) On day 7, cells from different cultures were washed and resuspended in media adjusted to pH 7.4 (squares) or 7.6 (triangles) and supplemented with cocktail 3. (**B**, **D**, **F**) On day 7, cells from different cultures were washed and resuspended in media adjusted to pH 7.4 or 7.6 and supplemented with cocktail 3. At either day 7 (circles) or 8 (triangles), cultures at both pH 7.4 (solid) and 7.6 (open) were supplemented with 6.25 mM NIC. The percentages of (**A**, **B**) CD41⁺ and (**C**, **D**) CD42b⁺ cells in the viable population and (**E**, **F**) the percentage of high-ploidy (>4N) Mks are shown. Data represent the mean ± SEM for *n*=3 donors.