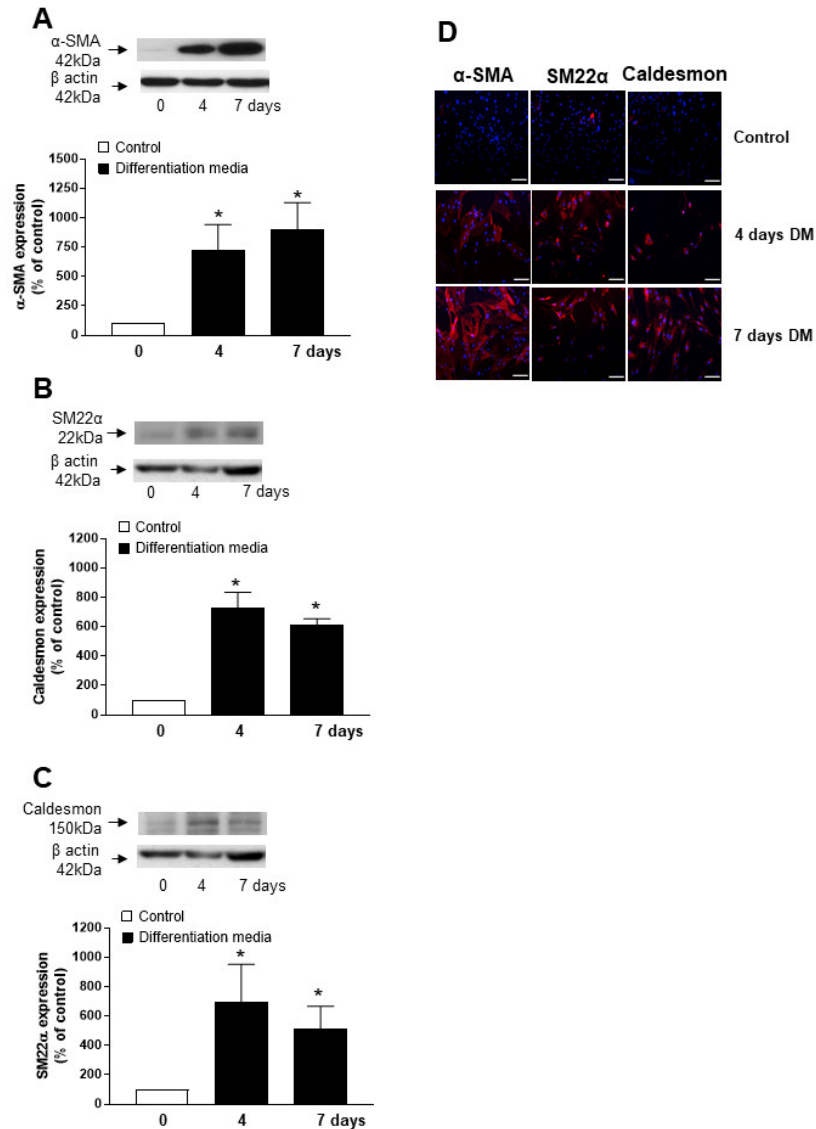
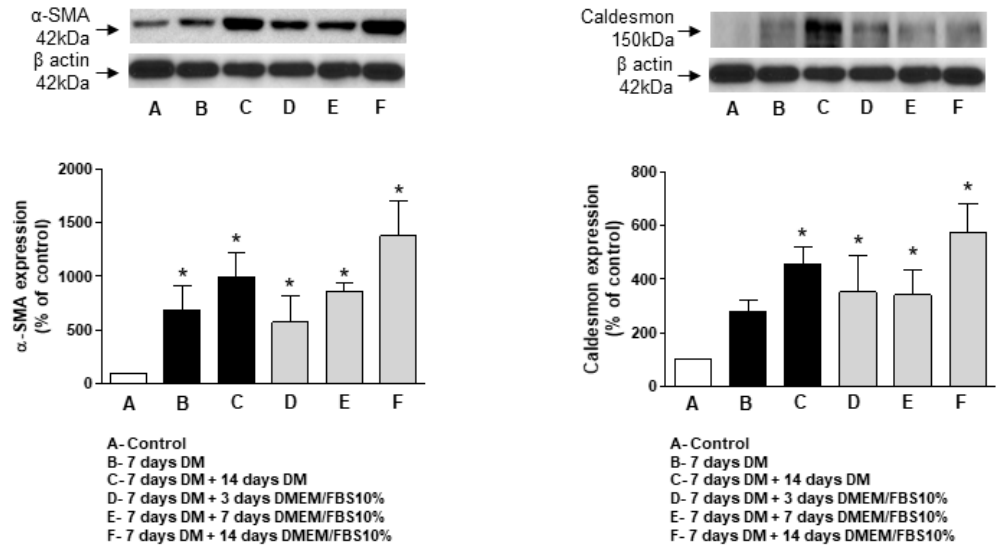


Supplementary Materials



Supplemental Figure S1. TGF- β and BMP-4 induce the differentiation of porcine ASC into SMC. Top are representative immunoblots of the differentiation effects of TGF- β and BMP-4 on α SMA (A), SM22 α (B) and caldesmon (C) expression. Corresponding bar graph demonstrate the effect (0, 4 and 7 days) effect of TGF- β and BMP-4 on α SMA, Caldesmon and SM22 α expression. (C) Fluorescence microscopy was also used to evaluate α SMA, Caldesmon and SM22 α in porcine ASC. Scale bar 100 μ m. Results are mean \pm SEM of 5 experiments. * $p < 0.05$ vs control.



Supplemental Figure S2. TGF- β and BMP-4 induced the differentiation of porcine ASC into SMC is stable for up to 21 days. Top are representative immunoblots for α SMA and Caldesmon. Corresponding bar graph demonstrate the stability of differentiation when cells were differentiated for 7 days and then either maintained in differentiation media containing TGF- β and BMP-4 or transferred to DMEM supplemented with FBS for indicated times. Results are mean \pm SEM of 5 experiments. * $p < 0.05$ vs non-differentiated ASC.