

A

B

C

Fig. 1s **Plumbagin dose selection study in FM culture**

- The metabolic activity of FM cells after 1h exposure to plumbagin at different concentration (1, 0.5 and 0.25 micromolar) in cell medium. Metabolic activity was detected by fluorescent prestobblue signal. One-Way ANOVA method describes significant difference (asterisk/s, $p < 0.05$; ns, not significant)
- Viability of FM cells after 24h exposure to plumbagin at different concentration (1, 0.5 and 0.25 micromolar) in cell medium. Viability changes were detected by fluorescent prestobblue signal. One-Way ANOVA method describes significant difference (asterisk/s, $p < 0.05$; ns, not significant)
- Crystal Violet assay of FM cells after 4 days supplementation with plumbagin at different concentration (1, 0.5 and 0.25 micromolar) in cell medium. Quantification of the staining was measured by absorbance signal for the dissolved cell-bound dye. One-Way ANOVA method describes significant difference (asterisk/s, $p < 0.05$; ns, not significant)

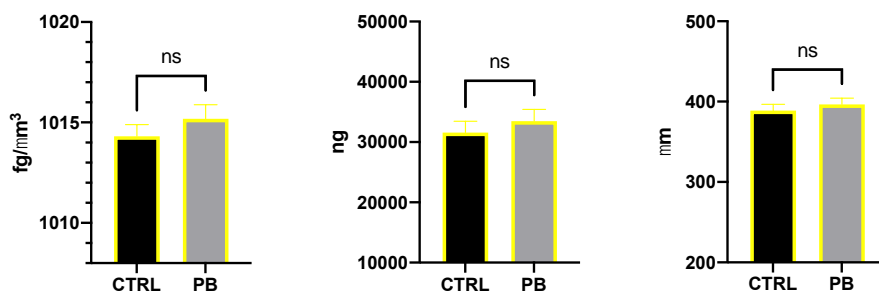


Fig. 2s **W8 analysis of PB-supplemented ASC-MSph**. PB (0.5 micromolar) is supplemented as in MF-MSph experiments as comparison. The analysis is performed 3 days after seeding. The bars indicate Mean \pm SEM. From left to right, graphs show mass density, weight and diameter.