

# The Marine Polysaccharide Ulvan Confers Potent Osteoinductive Capacity to PCL-based Scaffolds for Bone Tissue Engineering Applications

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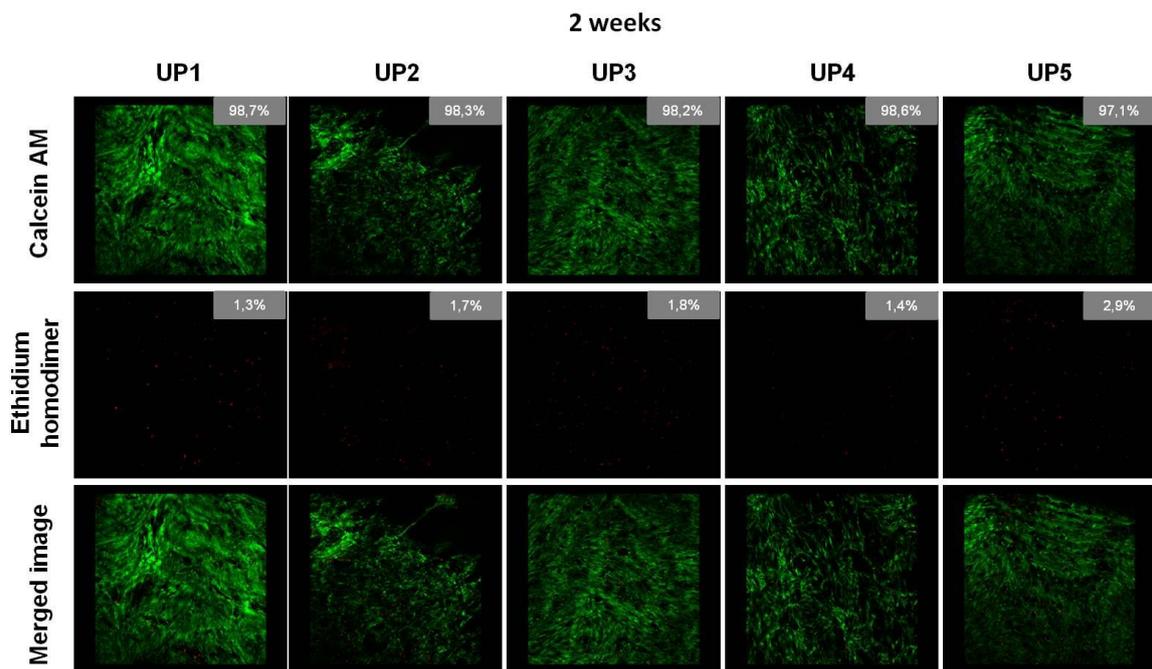
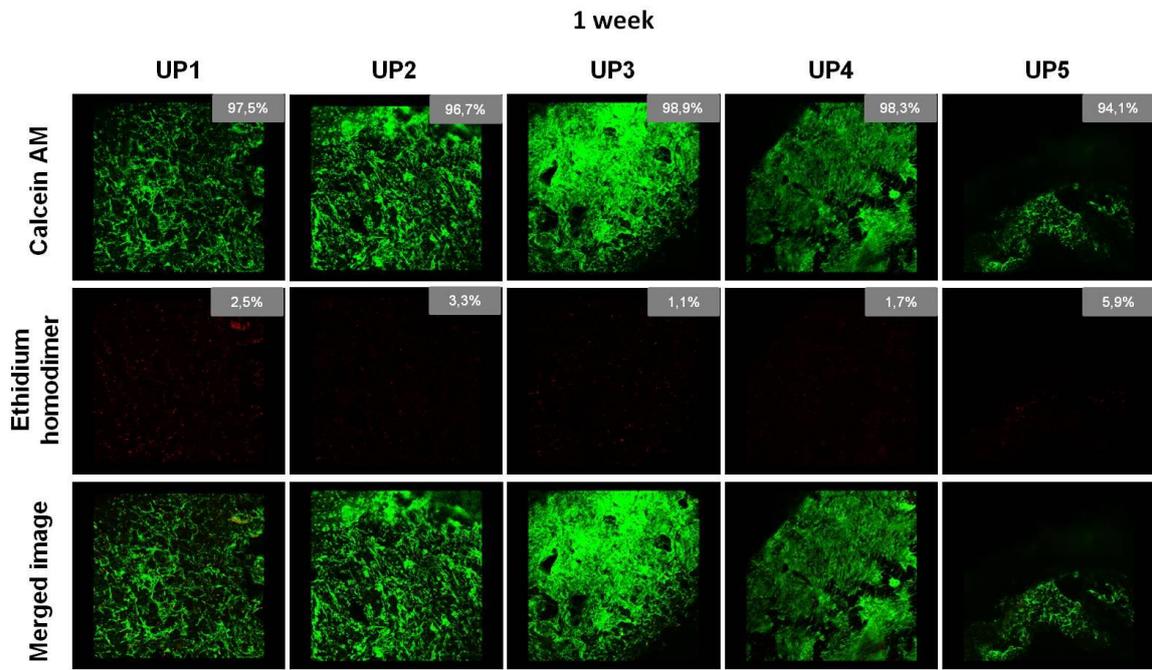
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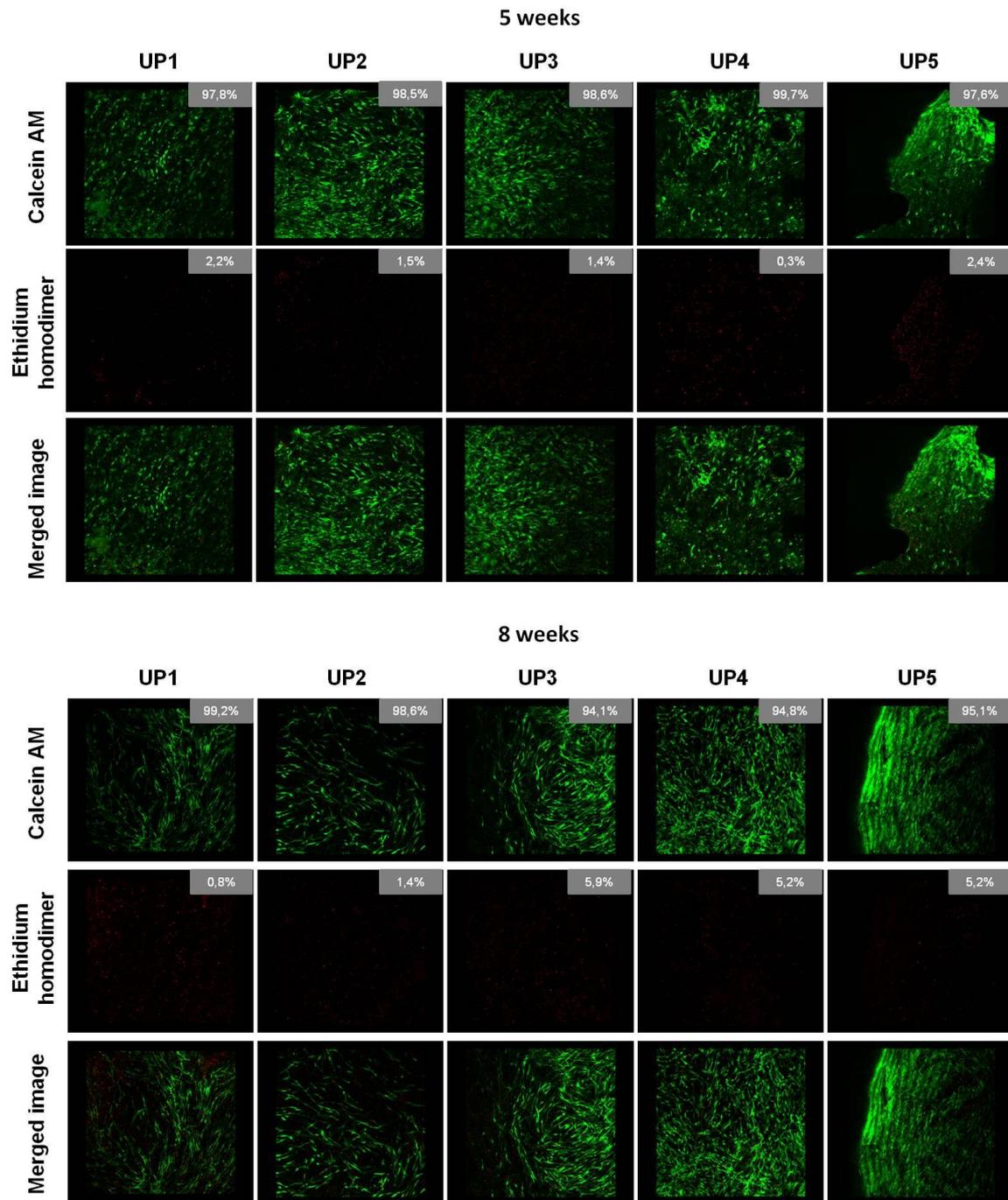
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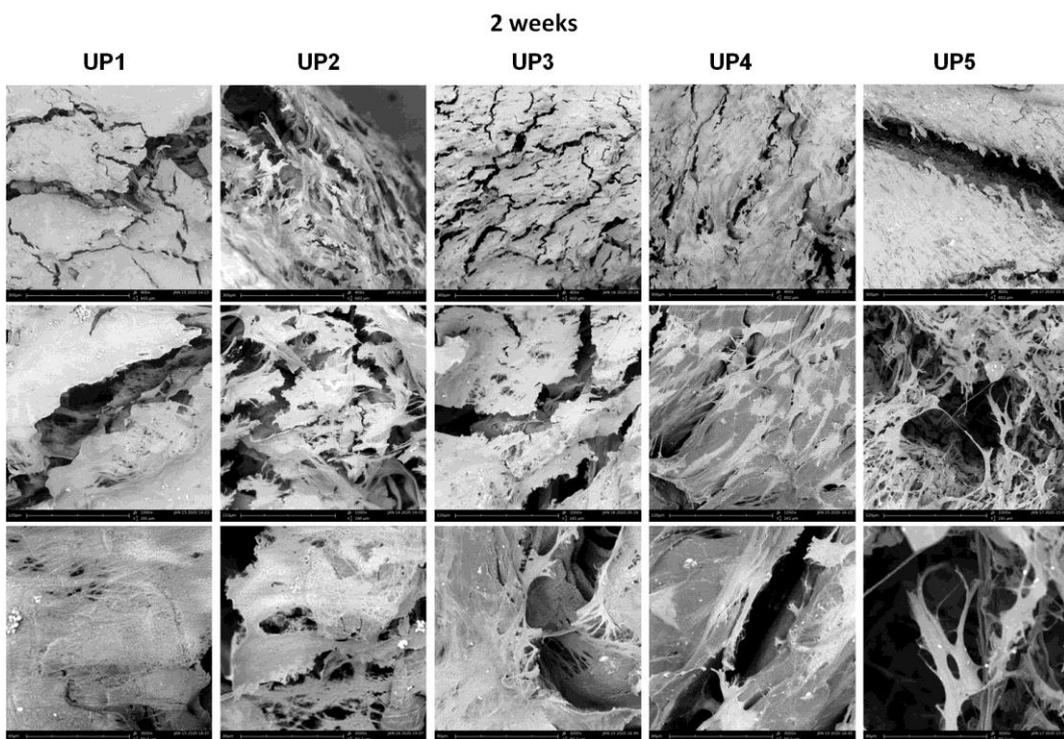
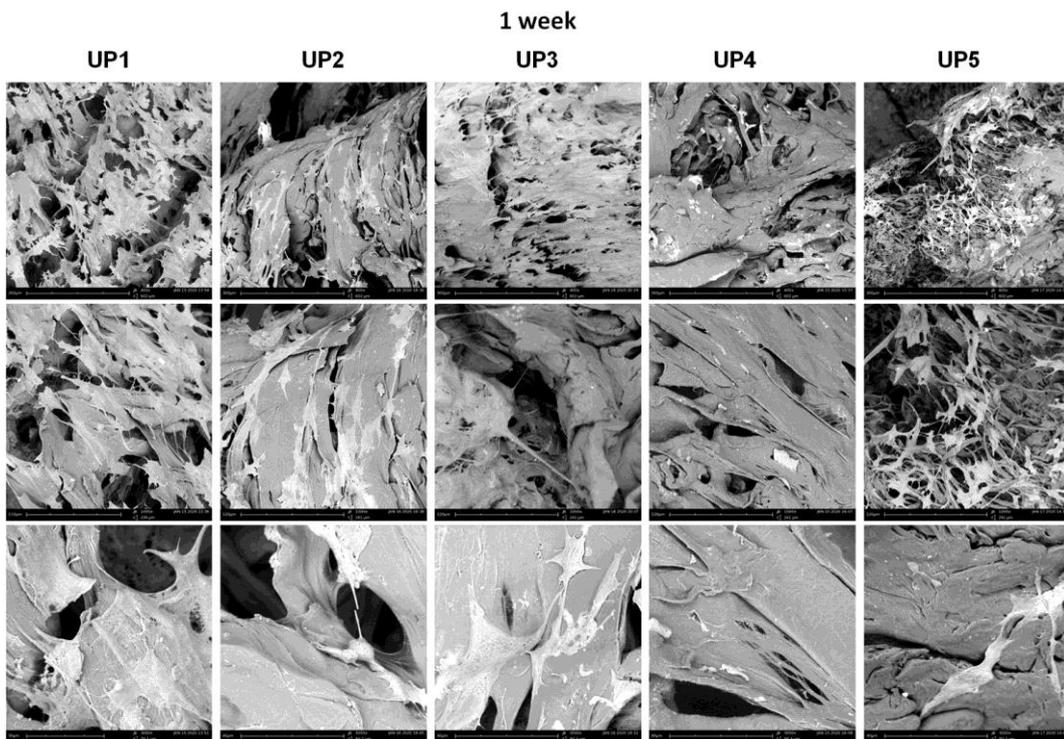
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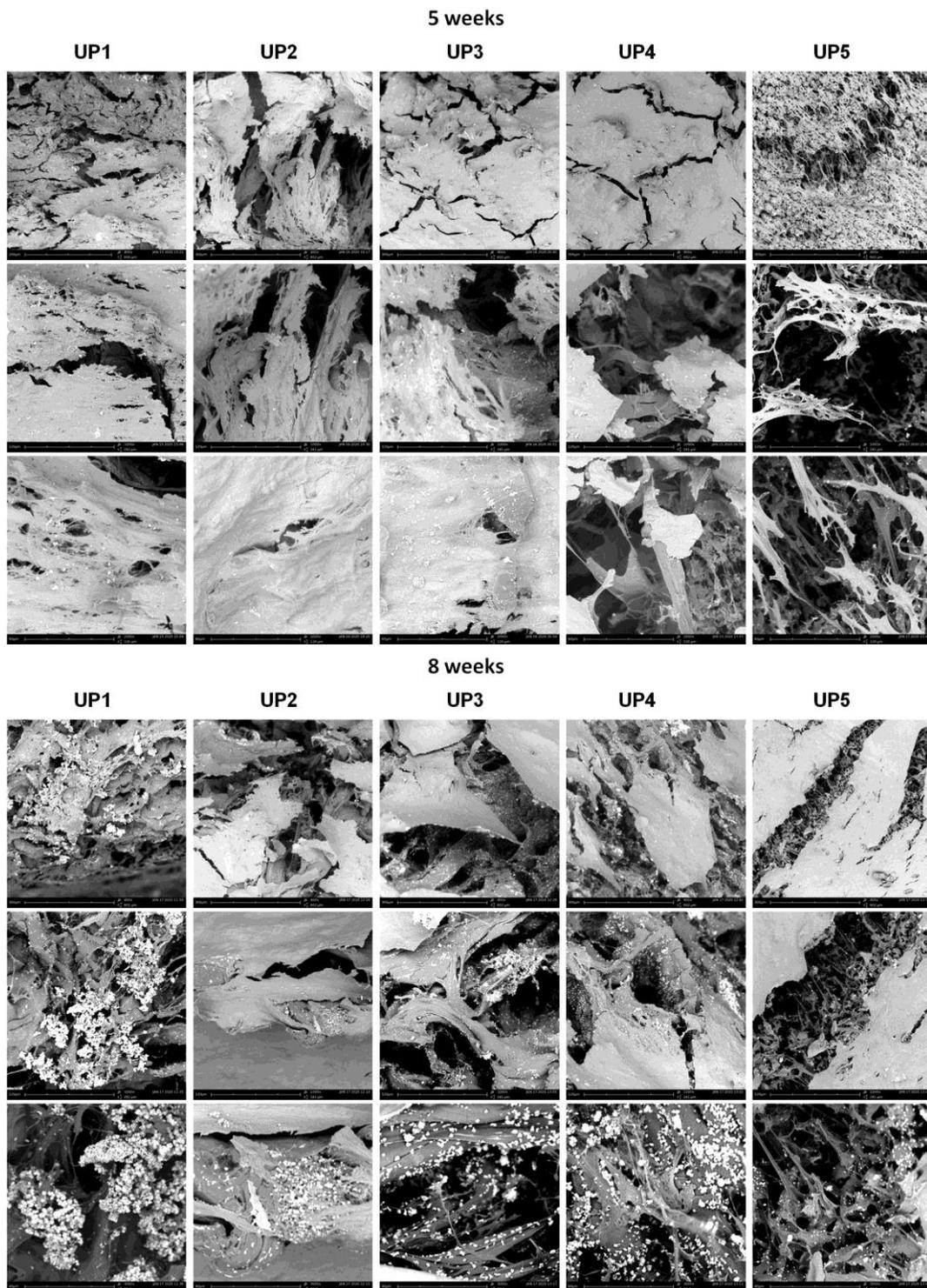
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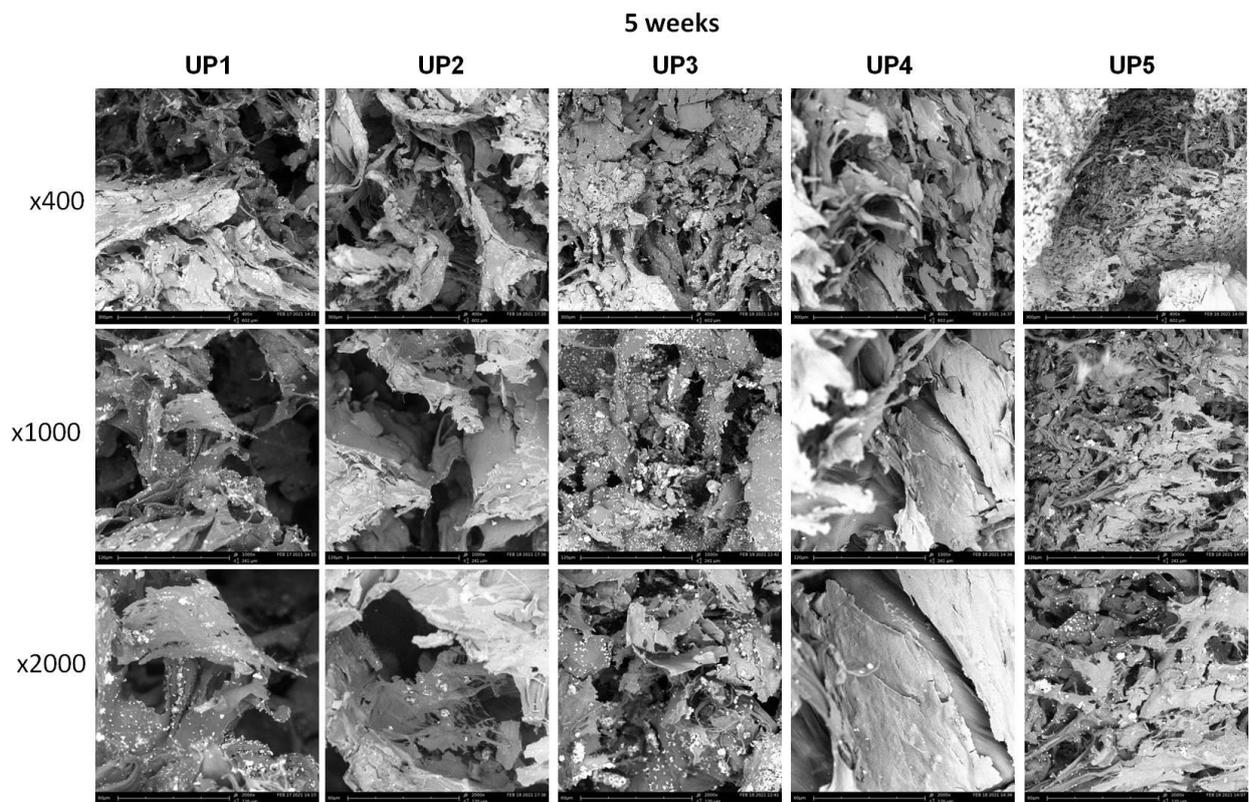


**Figure S1.** Confocal images of UP scaffolds seeded with hADMSCs. Live/dead staining with calceinAM/ethidium homodimer showing cell viability of hADMSCs after 1 week culture in MSC expansion medium and 2, 5 and 8 weeks culture in osteogenic differentiation medium. The relative cell viability or mortality (%) are denoted in the upper right part of the images.





**Figure S2.** SEM images of UP scaffolds seeded with hADMSCs, depicting the adhesion and spreading of hADMSCs on the porous structure of the scaffolds after 1 week culture in MSC expansion medium and 2, 5 and 8 weeks culture in osteogenic differentiation medium.



**Figure S3.** SEM images of cross-sections of the UP scaffolds seeded with hADMSCs, depicting the penetration of hADMSCs in the pores of the scaffolds after 5 weeks culture in osteogenic differentiation medium.