

Iron oxide nanoparticle-stabilized Pickering emulsion-templated porous scaffolds loaded with polyunsaturated fatty acids (PUFAs) for bone tissue engineering

Aadinath W, Teja KSPS, Iniyan Saravanakumar, and Vignesh Muthuvijayan*

Bhupat and Jyoti Mehta School of Biosciences, Indian Institute of Technology Madras, Chennai 600 036, Tamil Nadu, India. *vigneshm@iitm.ac.in

Gene	5'-primer sequence-3'
Beta Actin-Fp	5'-CTCACCATGGATGATGATATCGC-3'
Beta Actin-Rp	5'-AGGAATCCTTCTGACCCATGC-3'
ALP-Fp	5'-GACCCTTGACCCCCACAAT-3'
ALP-Rp	5'-GCTCGTACTGCATGTCCCCT-3'
BMP2-Fp	5'-AACACTGTGCGCAGCTTCC-3'
BMP2-Rp	5'-CTCCGGGTTGTTTTCCAC-3'
Osteocalcin-Fp	5'-GAAGCCCAGCGGTGCA-3'
Osteocalcin-Rp	5'-CACTACCTCGCTGCCCTCC-3'
RUNX2-Fp	5'-ACCCAGAAGGCACAGACAGAAG-3'
RUNX2-Rp	5'-AGGAATGCGCCCTAAATCACT-3'

Table S1. Forward and reverse primers of the osteogenic marker genes and housekeeping gene used for the RT-PCR studies.

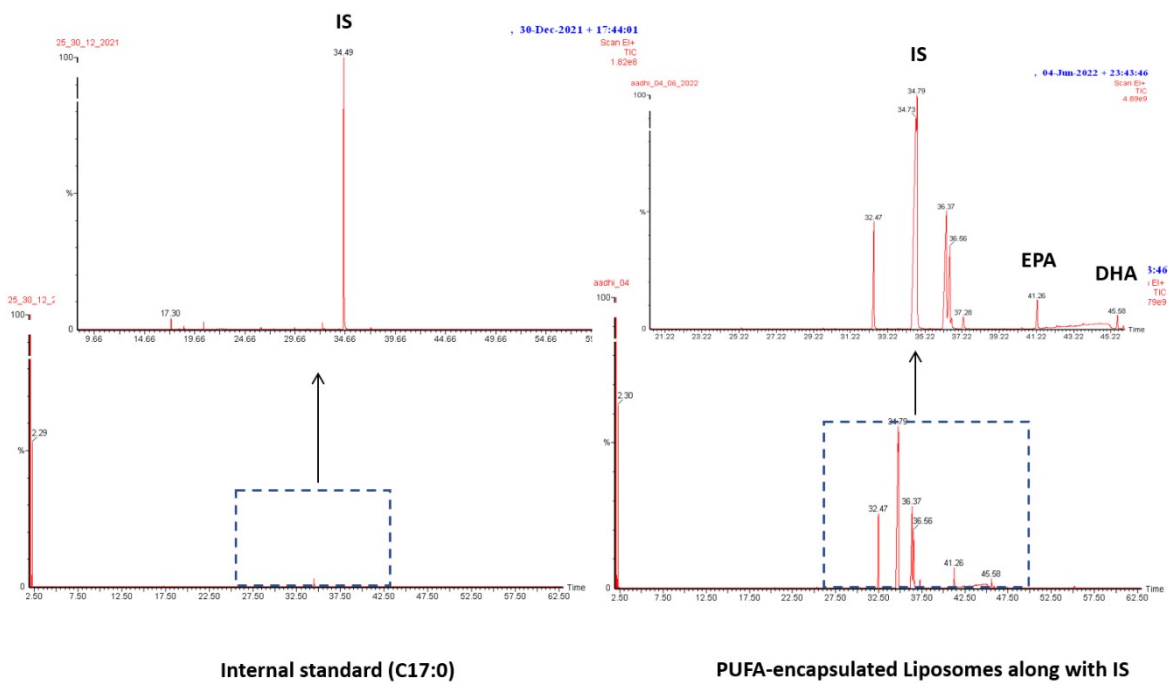
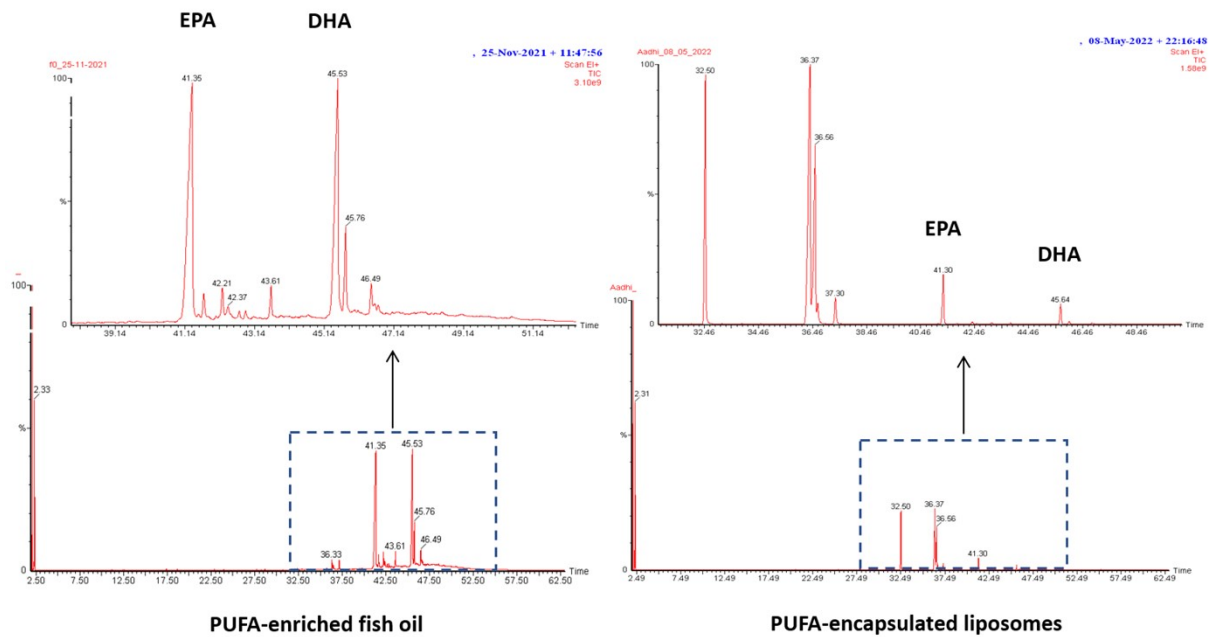


Figure S1. GC-MS chromatogram showing RT of EPA, DHA, and IS in different sample preparations.

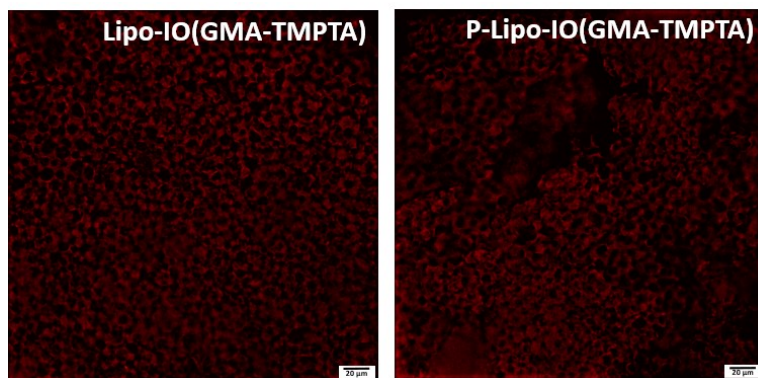


Figure S2. Nile red-stained control and PUFA-encapsulated liposomes that were adhered onto the scaffolds.