Poly beta amino esters coated emulsions designed for NSAIDs osteoarthritis treatment

by

Tahani Saeedi ¹, Polina Prokopovich ^{1,*}

¹Cardiff School of Pharmacy and Pharmaceutical Sciences, Cardiff University, UK

Supplementary data

* Corresponding author: Dr Polina Prokopovich

School of Pharmacy and Pharmaceutical Sciences

Cardiff University

Redwood Building, King Edward VII Avenue

Cardiff, UK

CF10 3NB

E-mail address: prokopovichp@cf.ac.uk

NSAIDs	Mobile phase	UV detector (nm)
indomethacin	Acetonitrile and acetate buffer pH 3.6 (60:40)	255
ketorolac	Acetonitrile, PBS and acetic acid glacial (26:70:4)	315
naproxen	Acetonitrile and acetate buffer pH 4 (35:65)	230
diclofenac sodium	Acetonitrile and acetate buffer pH 4 (42:58)	276

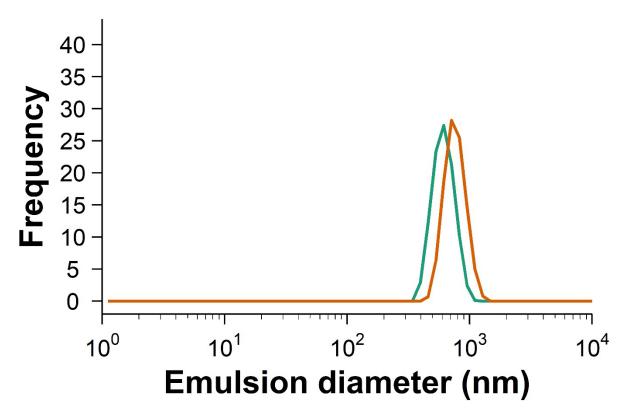


Figure S1. Examples of hydrodynamic size distribution of 10% w/o () uncoated and () PBAE coated pure oleic acid 10% o/w emulsions.

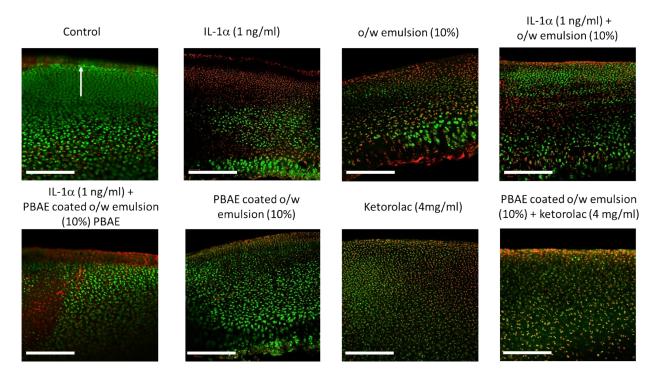


Figure S2. Examples of images of live/dead fluorescently stained bovine explants exposed to IL-1 α (1 ng/mL) and ketorolac control samples incubated for 1 day. Scale bar = 500 μ m.

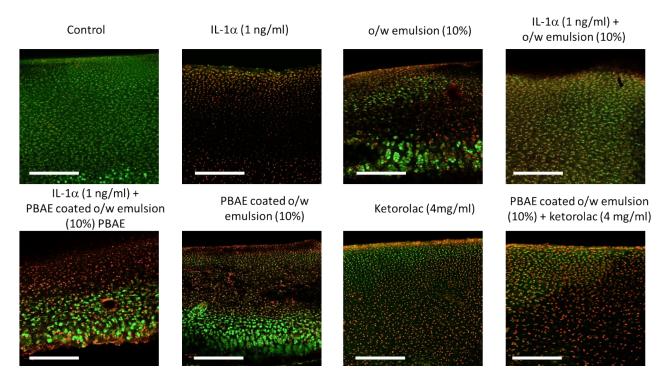


Figure S3. Examples of images of live/dead fluorescently stained bovine explants exposed to IL-1 α (1 ng/mL) and ketorolac control samples incubated for 2 days. Scale bar = 500 μ m.

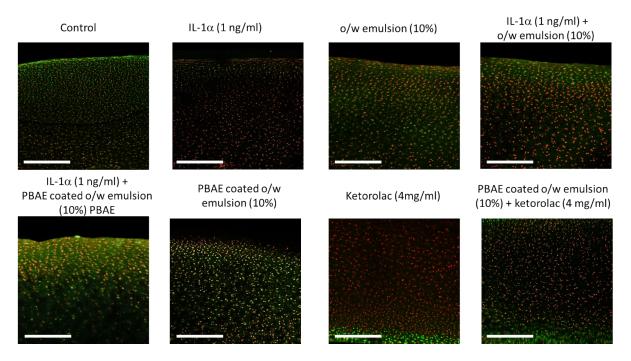


Figure S4. Examples of images of live/dead fluorescently stained bovine explants exposed to IL-1 α (1 ng/mL) and ketorolac control samples incubated for 7 days. Scale bar = 500 μ m.