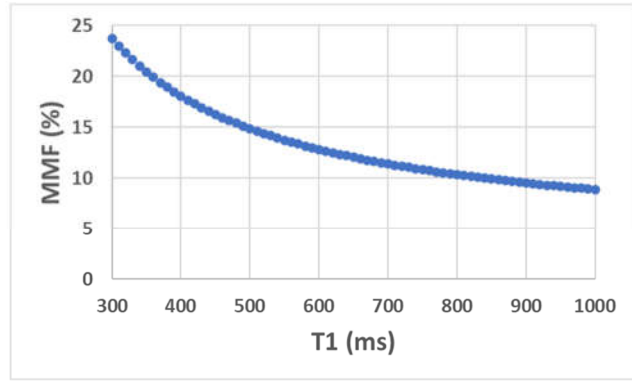


(A)



(B)

Figure S1. (A) T1-weighted UTE MRI image of a bovine muscle specimen embedded in lard. (B) The MMF values of the muscle region (ROI inside of a black box in (A)) using differing T1 values as inputs for two-pool MT modeling. T1 value reduction from 1000 ms to 300 ms resulted in over 100% MMF overestimation for the same ROI in pure muscle.