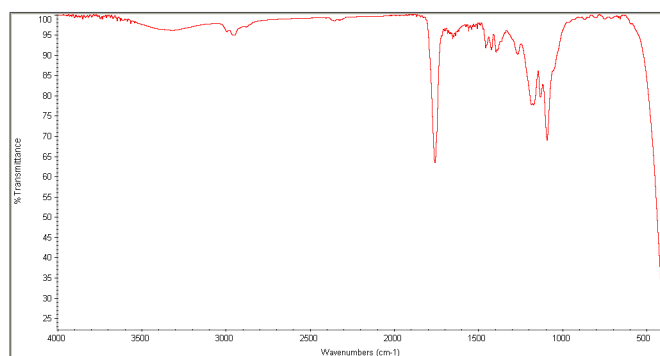
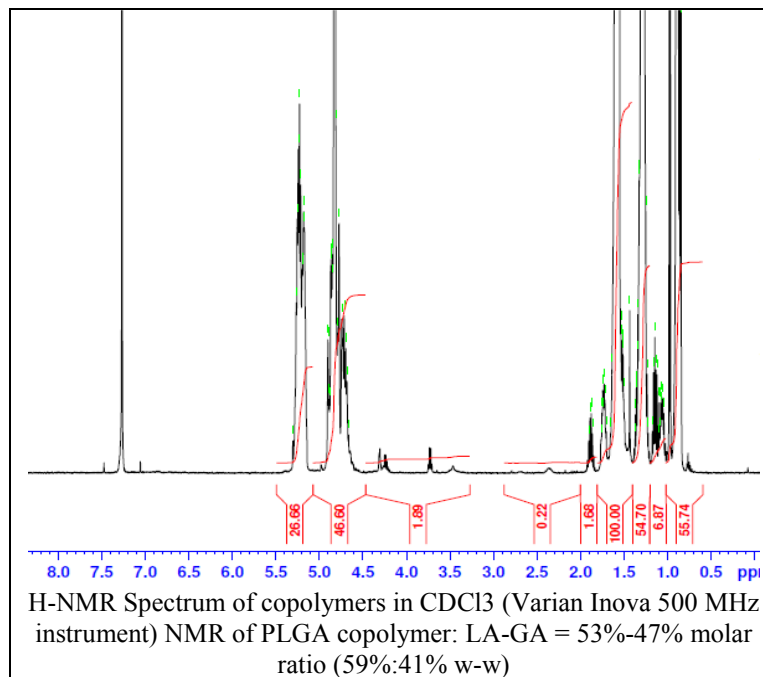


No. AV004

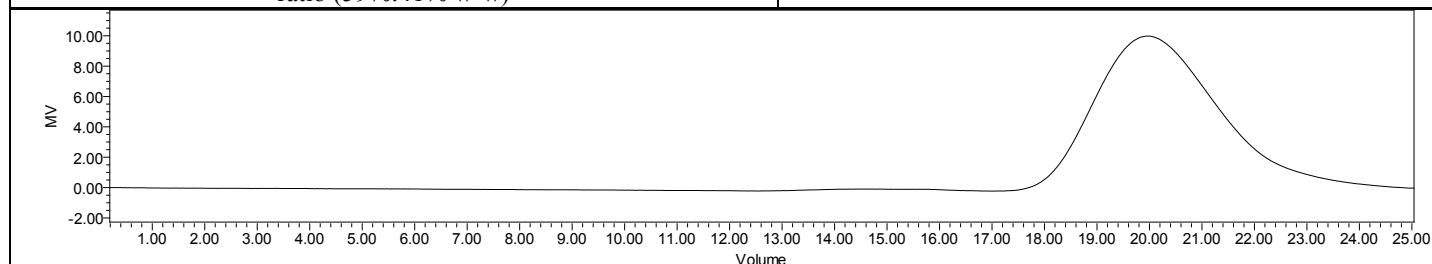
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) copolymer-Fluorescein (M_n : 20,000-40,000 Da) (Lot#: 190315RAI-A)



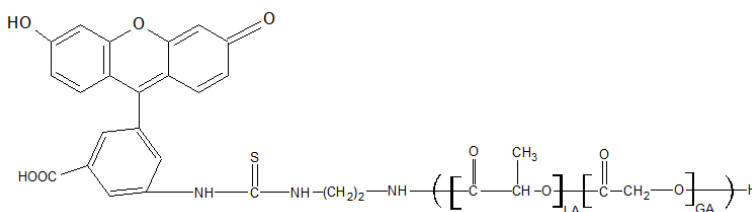
FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 320 spectrometer and analyzed in transmission mode.



GPC Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M_n (from GPC)	M_w (from GPC)	PDI
PLGA	27,054	39,387	1.46

Structure of PLGA-FITC copolymers



Dye Content: Testing of absorbance of polymer in DMSO solution at 490 nm as compared to series of FITC standards has indicated a dye content of: 2.61 $\mu\text{g}/\text{mg}$ polymer.

Intrinsic Viscosity (25 °C, DCM, 2 g/dL concentration, Rheosense microvisc)

0.217 ± 0.014 (N = 3)