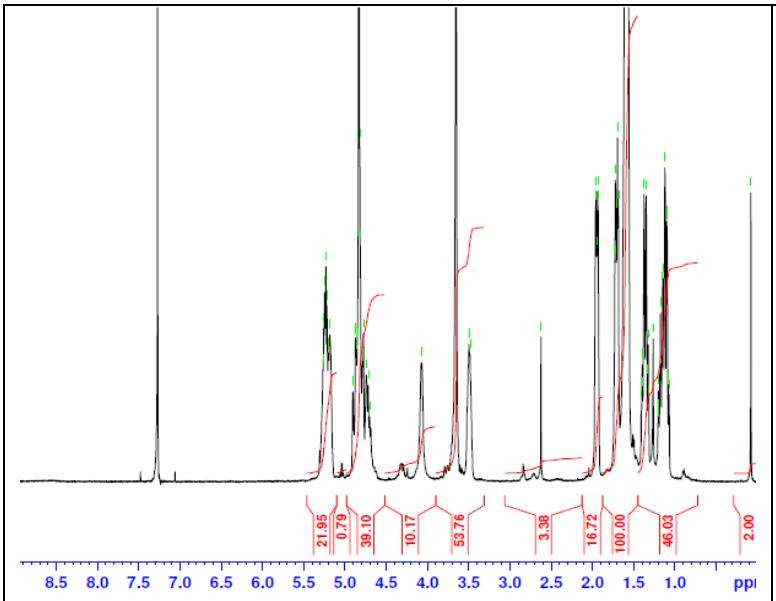
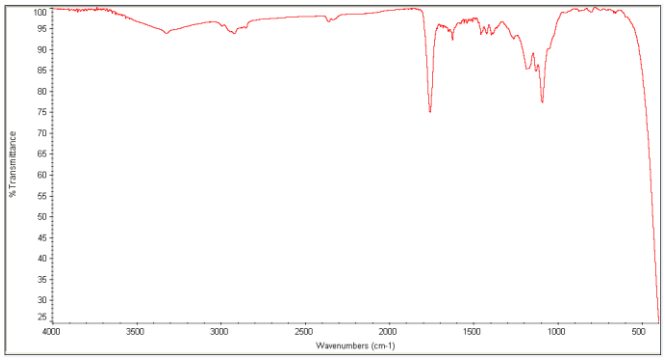
No. AI168 Certificate of Analysis

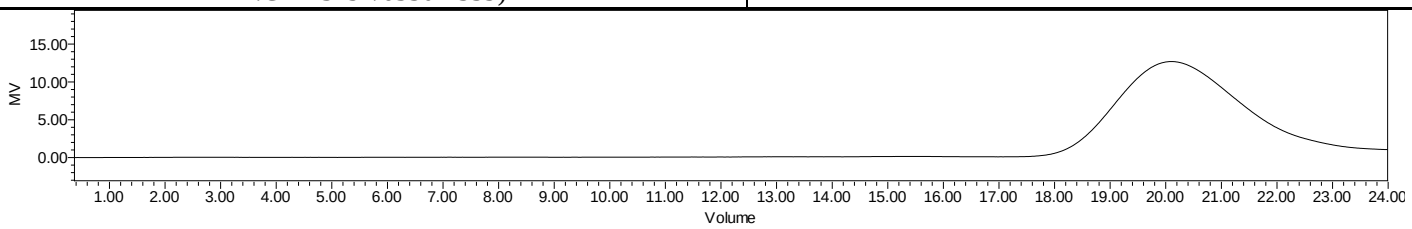
Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-folate (10,000-2,000Da) Lot #190412RAI-A



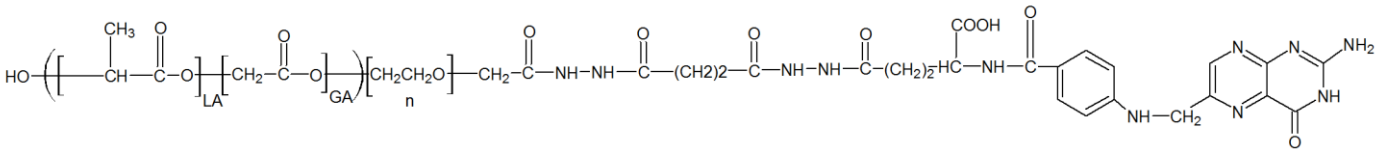
H-NMR Spectrum of copolymers in CDCl3 (Varian Inova 500 MHz instrument) NMR of PLGA copolymer: EG/LA-GA = 54/88-79 (Mn LA:GA 2379*/6350-4559)



FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicollet 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-PEG-Folate	14,822	24,275	1.64
PEG-precursor	2400*		

- **Structure of PLGA-PEG-Folate**