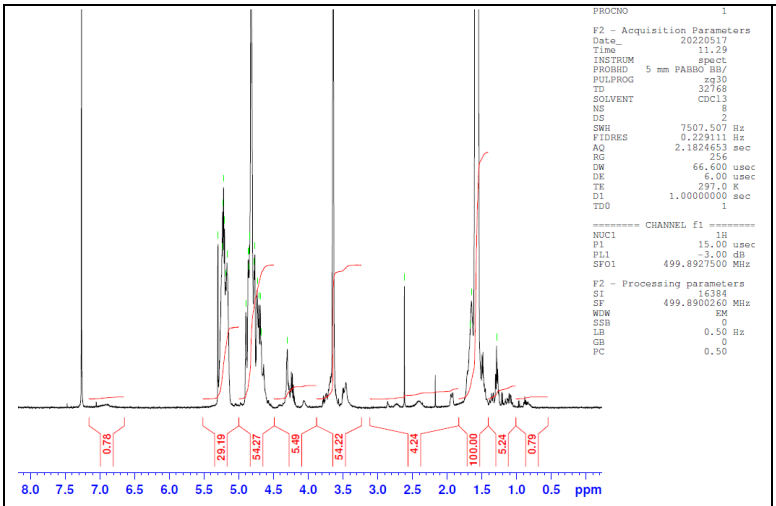
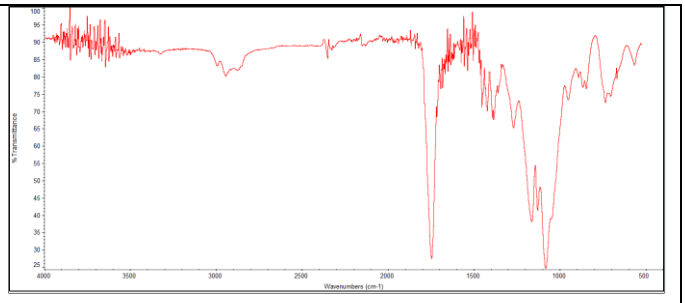
No. AI168 Certificate of Analysis

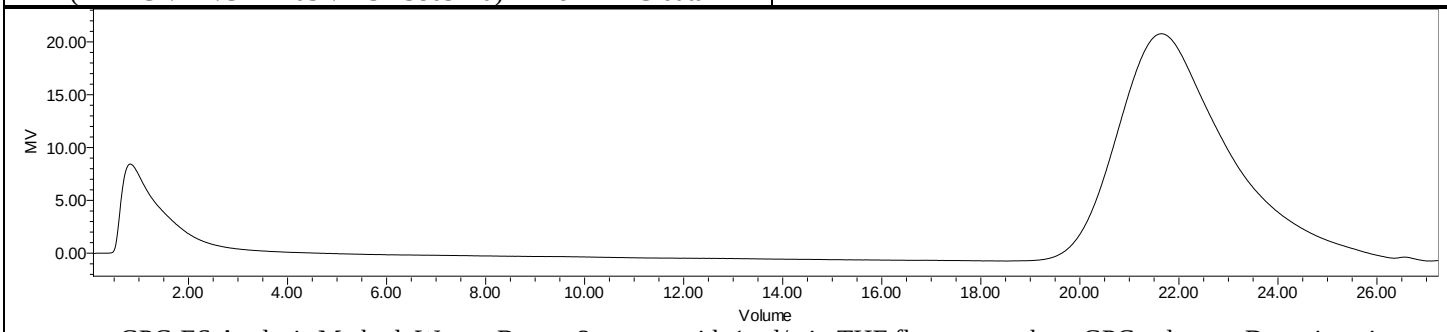
Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-folate (10,000-2,000Da) Lot #220429RAI-A



H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMRF) NMR of PLGA copolymer: EG*/LA-GA =50*/108-100 (Mn EG*/LA:GA 2203*/7752-5809 Da) *- from MFG data

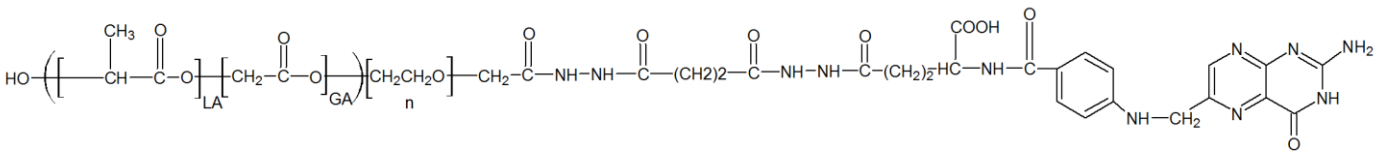


FTIR Analysis: Collected from Nicollet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



GPC-ES 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	7,507	9,532	1.27
PEG-precursor*	2,300*		

*- from MFG data

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