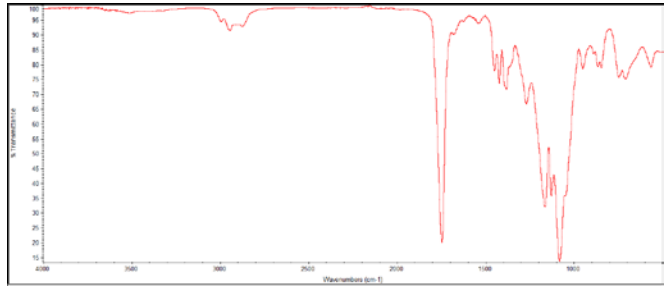
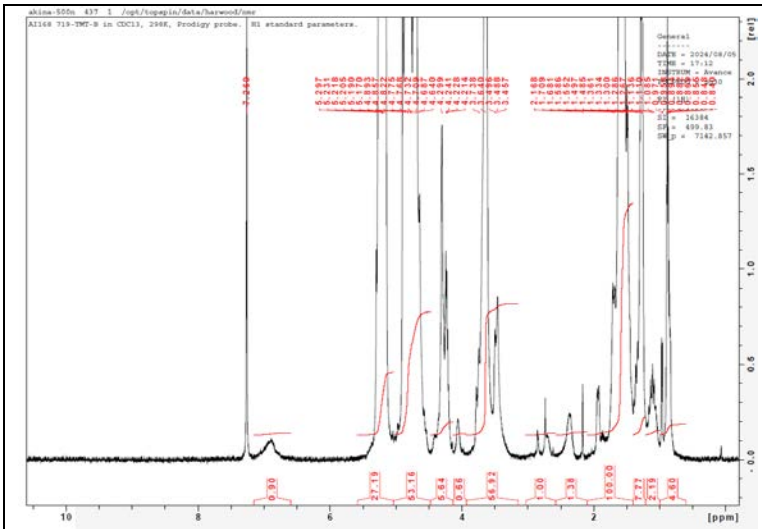


# No. AI168

# Certificate of Analysis

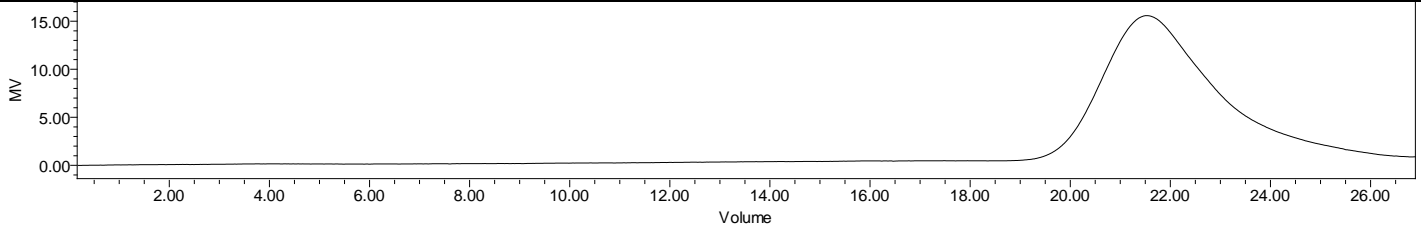


Product Name: Poly(lactide-co-glycolide)-b-Poly(ethylene glycol)-folate  
(Mw 10,000-2,000Da) LA:GA 50:50 Lot #240719TMT-B



FTIR Analysis: Collected from IS5 ID7-ATR spectrometer (Thermo Scientific) and analyzed in transmission mode.

H-NMR Spectrum of copolymers in CDCl3 (Bruker ≥300 MHz, PINMR) NMR of PLGA-PEG-Folate copolymer: EG\*/LA-GA =52\*/99-97 (Mn EG\*/LA:GA 2291\*/7154-5637 Da) LA:GA 56%:44%

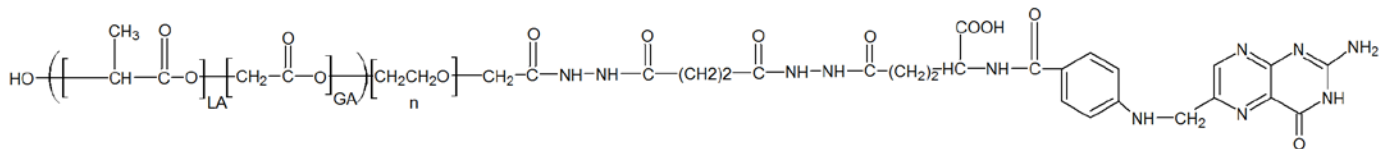


GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-PEG-Folate	6621	8962	1.35
PEG-Precursor*	2300*		

\*- from MFG data

## • Structure of PLGA-PEG-Folate



<p>Approved By: Amie Tyler Quality Manager</p>
--