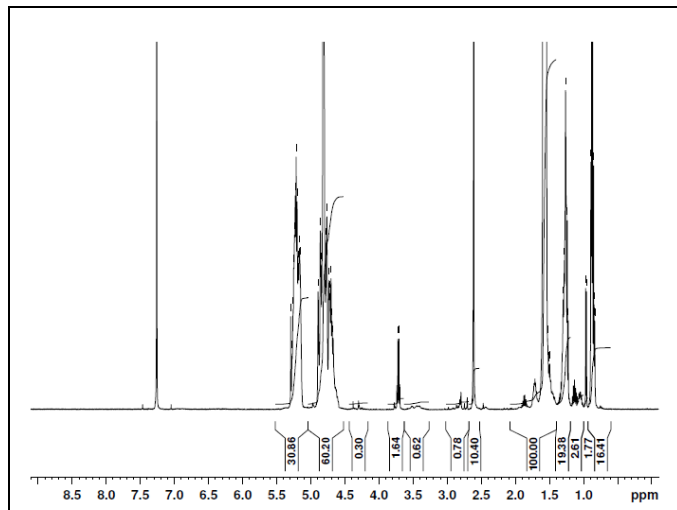


# No. AV04

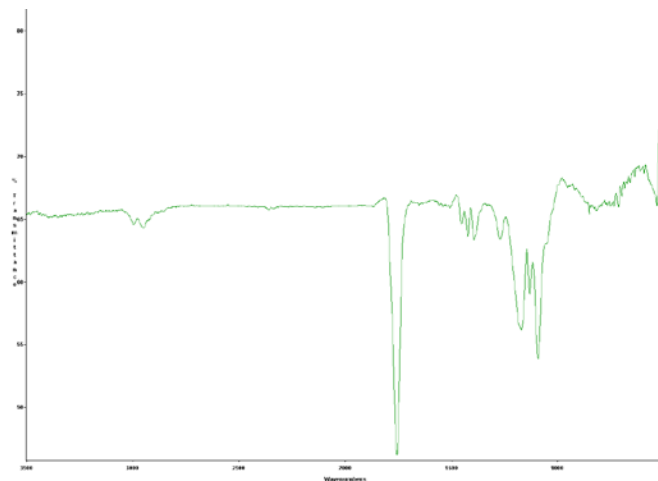
# Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) copolymer-Fluorescein ( $M_w \sim 30,000-40,000\text{Da}$ )  
(Lot#: 40109JSG) REV:C

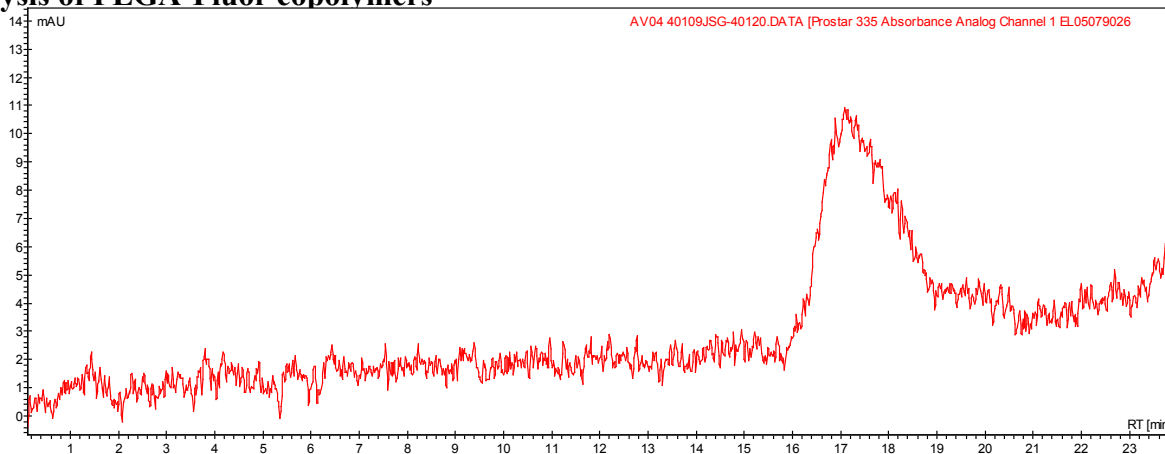


H-NMR Spectrum of PLGA-Fluor copolymer in  $\text{CDCl}_3$  (Varian Inova 500 MHz instrument), NMR of PLGA-Fluor copolymers: GA/LA = 61%/39% mol (56%/44% w/w)



FTIR Analysis: Collected from cast-film on KBR salt-plate placed in Satellite FTIR (Thermo-Mattson) and analyzed in transmission mode.

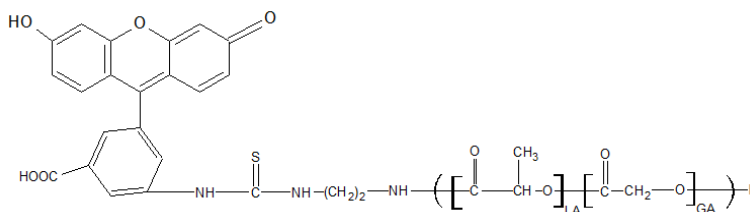
## • GPC analysis of PLGA-Fluor copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across three PLgel mixed-D columns (Agilent).  
Detection via UV/Vis, calibrated against polystyrene standards

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA-Fluor	29,378	54,986	1.87

## • Structure of PLGA-FITC copolymers



- **Dye Content:** Testing of absorbance of polymer in DMSO solution at 490nm as compared to series of FITC standards has indicated a dye content of: 0.74 ug/mg polymer.

PolySciTech Division of Akina, Inc. | 3495 Kent Avenue, West Lafayette, IN 47906

765-464-0390 | www.polysciotech.com

For research use only.