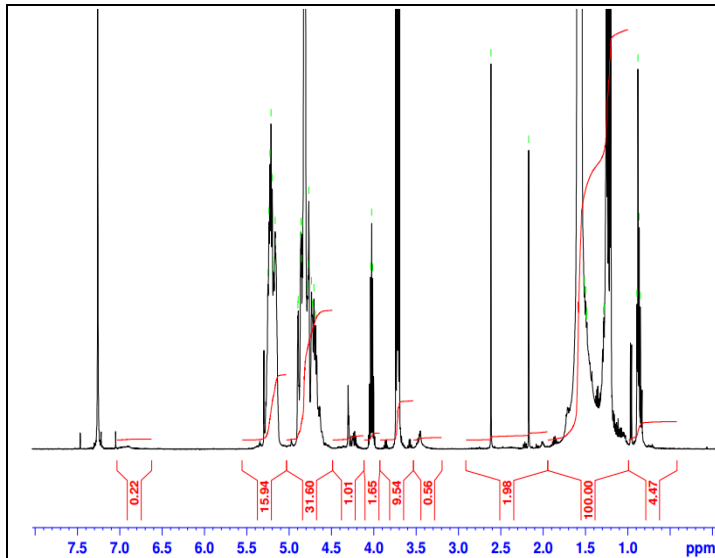


No. AV04

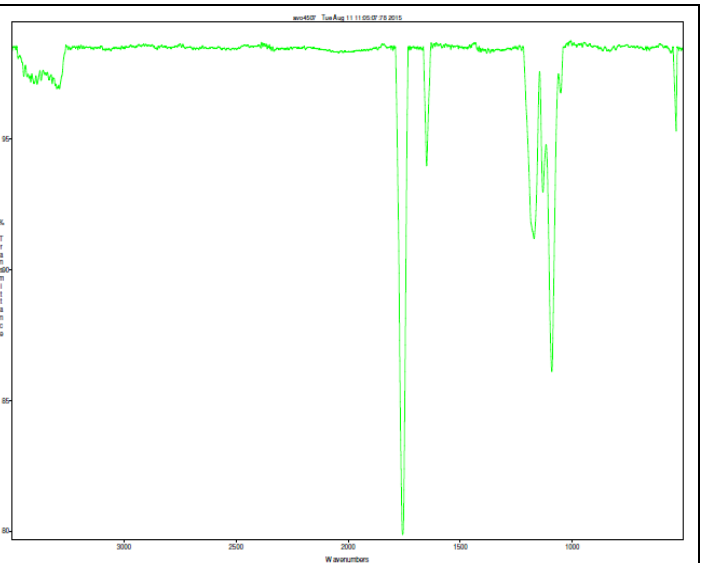
# Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) copolymer-Fluorescein ( $M_n$ : 20,000-40,000 Da)  
(Lot#: 50730JSG)

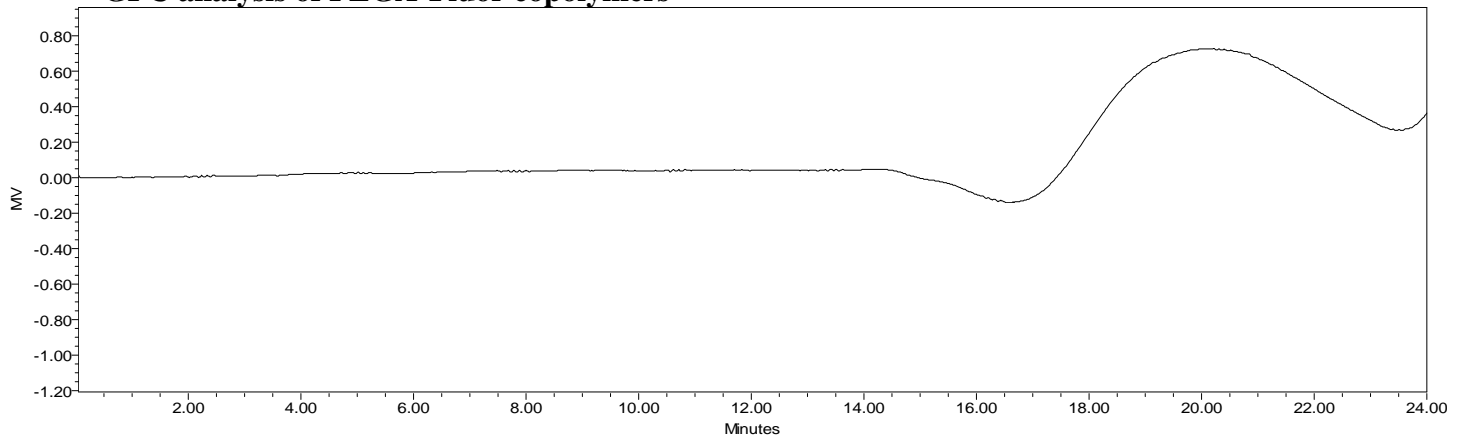


H-NMR Spectrum of PLGA-Fluor copolymer in  $CDCl_3$  (Varian Inova 500 MHz instrument), NMR of PLGA-Fluor copolymers: LA/GA = 50%/50% molar ratio (56%/44% w/w)



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

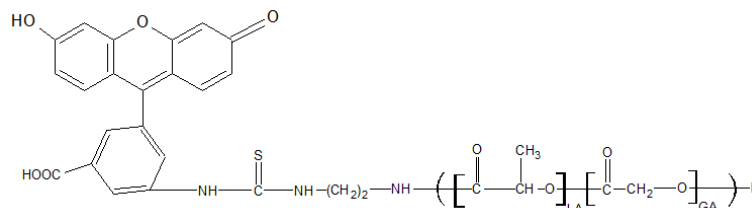
## • GPC analysis of PLGA-Fluor copolymers



Analysis Method: Waters Breeze 2 system with 1 ml/min DCM flow across three Phenogel 5um columns (Phenomenex). Detection via refractive index, calibrated against polystyrene standards.

Polymer	$M_n$ (from GPC)	$M_w$ (from GPC)	PDI
PLGA-Fluor	20,040	29,362	1.47

## • 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: 0.37  $\mu\text{g}/\text{mg}$  polymer.

Material provided for research use only. Not for human use.

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