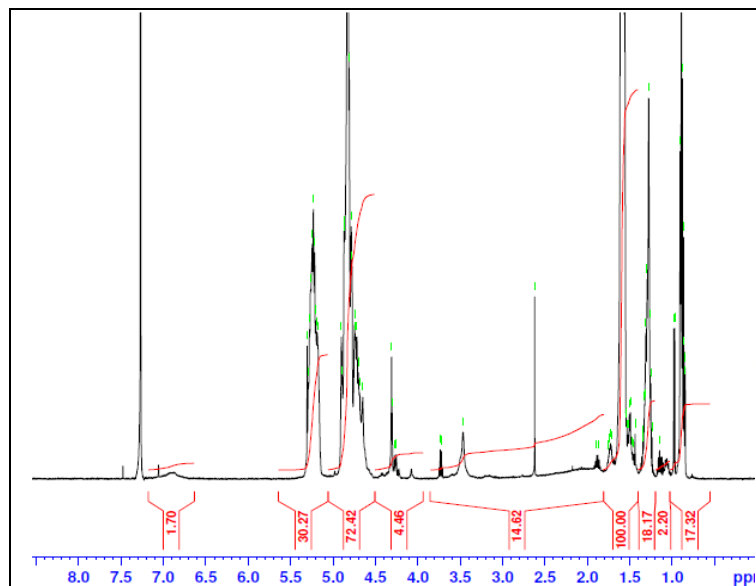


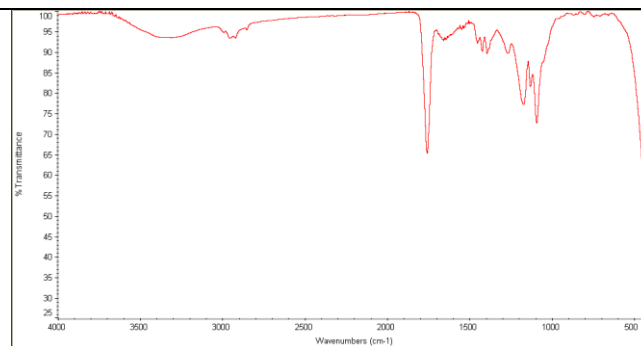
No. AV001

Certificate of Analysis

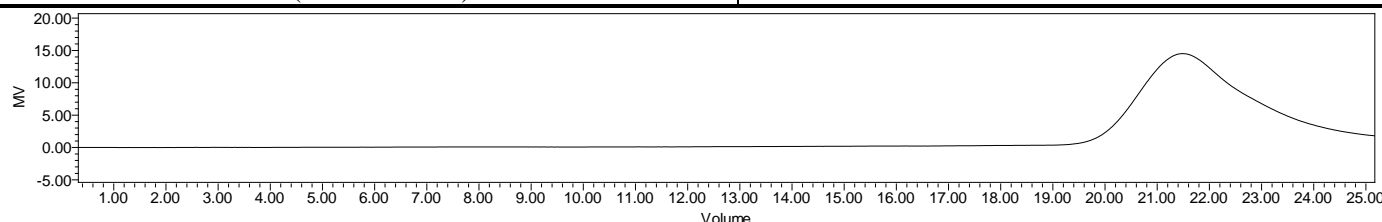
Product Name: Poly(lactic-co-glycolic) copolymer-Fluorescein
(50:50 LA:GA, Mn 1,000-10,000 Da) (Lot# 190410RAI-B)



H-NMR Spectrum of copolymers in CDCl₃ (Varian Inova 500 MHz instrument) NMR of PLGA copolymer: LA-GA =46%-54% molar ratio (51%-49% w-w)



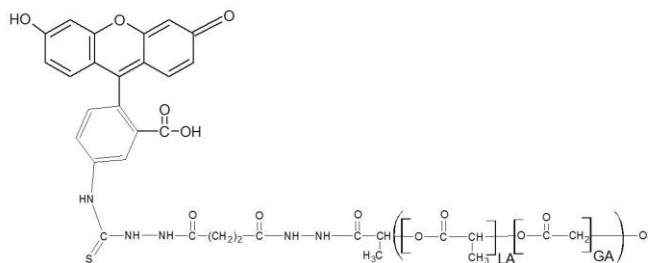
FTIR Analysis: Collected from cast-film on KBr salt-plate placed in Nicolet Avatar 320 spectrometer and analyzed in transmission mode.



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-Fluor | 7,136 | 9,338 | 1.31 |

Structure of PLGA-Fluorescein copolymers



Dye Content: Testing of absorbance of polymer in DCM solution at 490nm as compared to series of FITC standards has indicated a dye content of: 11.01 µg/mg polymer