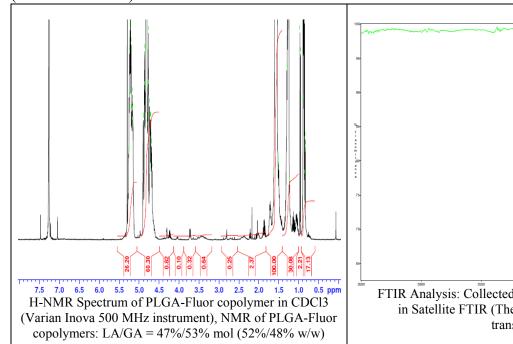
No. AV04

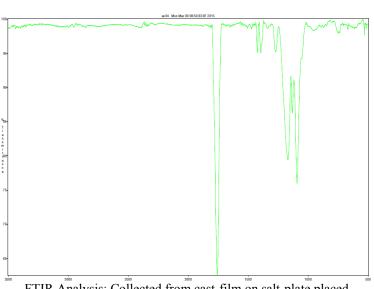
Certificate of Analysis



Product Name: Poly(lactic-co-glycolic) copolymer-Fluorescein (M_n 20,000-40,000Da)

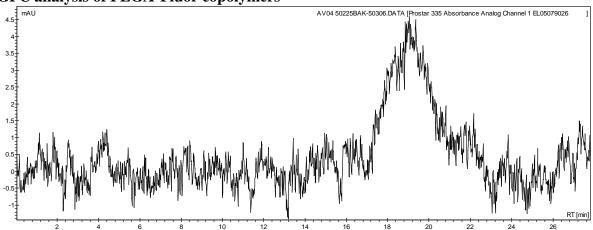
(Lot#: 50225BAK) REV:A





FTIR Analysis: 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: Varian Prostar system with 1 ml/min DCM flow across two 5 µm Phenogel columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards.

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLGA-Fluor	32923	56916	1.73

• Structure of PLGA-FITC copolymers

HOOC
$$\longrightarrow$$
 NH \longrightarrow C \longrightarrow NH \longrightarrow CH₂)₂ \longrightarrow NH \longrightarrow CH₃ \longrightarrow CH₂ \longrightarrow CH₂ \longrightarrow CH₂ \longrightarrow CH₂ \longrightarrow H

• **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: 0.37 μg/mg polymer.

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