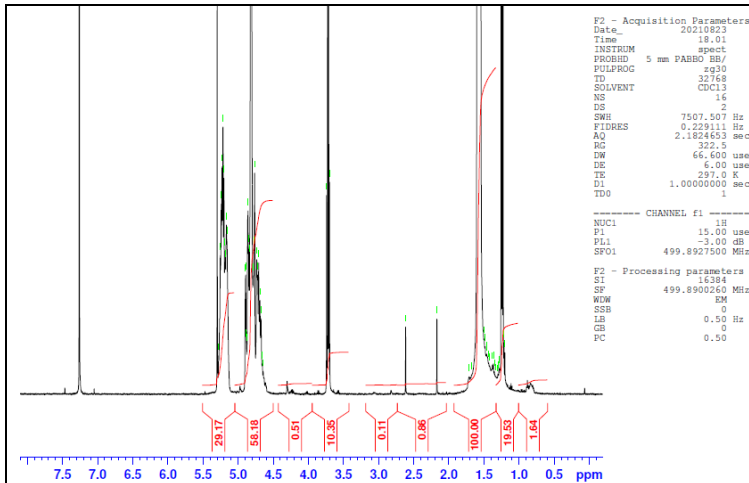


# No. AV047

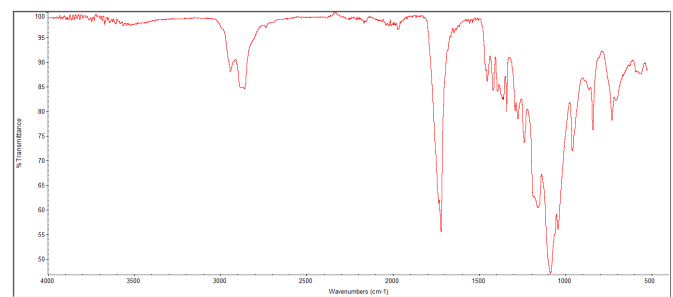
# Certificate of Analysis



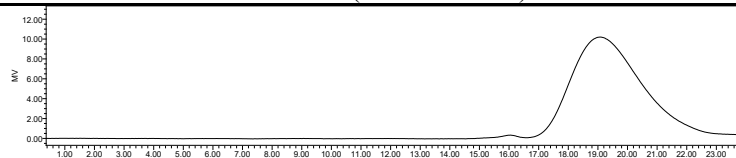
Product Name: Poly(lactic-co-glycolic acid)-Alexa-Fluor 555 copolymer  
(M<sub>n</sub>: 30,000-55,000 Da) (Lot#: 210805RAI-C)



H-NMR Spectrum of copolymers in CDCl<sub>3</sub> (Bruker ≥300 MHz, PINMRF) NMR of PLGA-AF555 Copolymer: LA:GA 50%:50% molar ratio (55%:45% w-w)

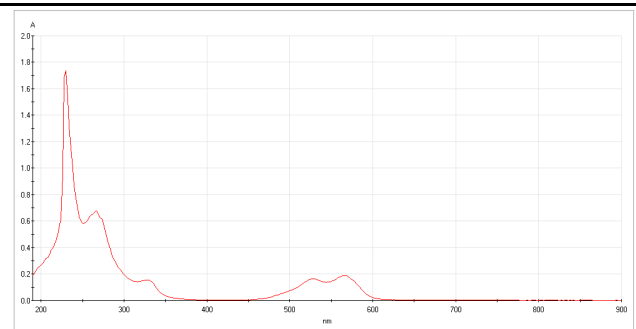


FTIR Analysis: Collected from Nicolet Avatar 380 spectrometer with ATR Smart Orbit and analyzed in transmission mode.



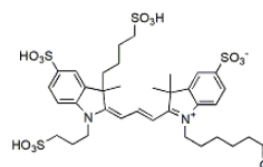
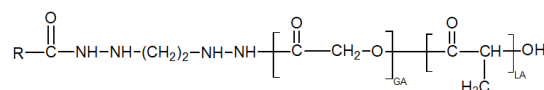
GPC-ES Analysis Method: Waters Breeze 2 system with 1 ml/min THF flow across three GPC columns. Detection via refractive index, calibrated against polystyrene standards.

Polymer	M <sub>n</sub> (from GPC)	M <sub>w</sub> (from GPC)	PDI
PLGA-AlexaFluor 555	33,480	50,514	1.51



UV-Vis Analysis PLGA-AF555  
Analysis Method: Scan from 190-900nm in 2nm increments of 2 mg/ml PLGA-AF555 solution in DCM against DCM blank.

## Structure of PLGA-AlexaFluor 555 copolymers



“R” =