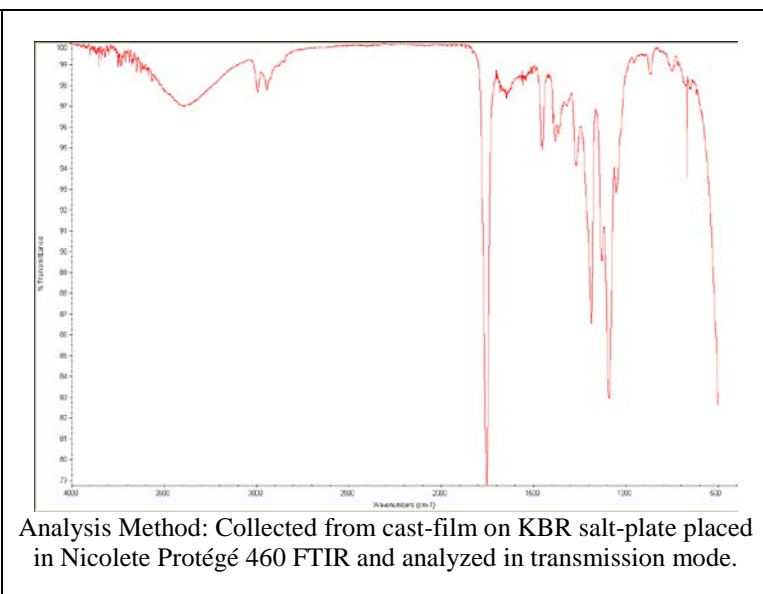
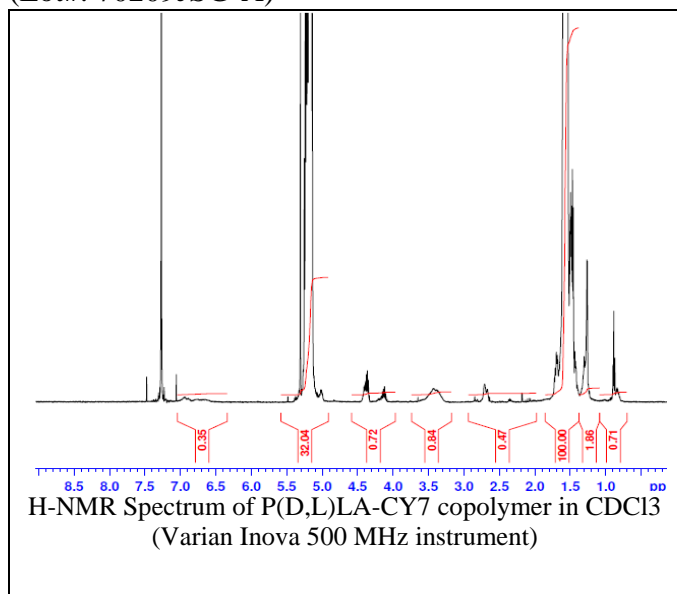


No. AV033

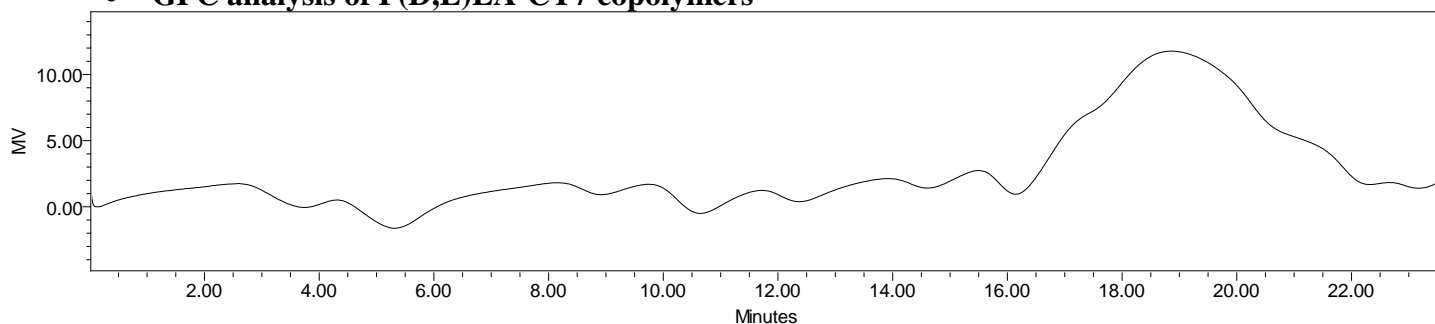
Certificate of Analysis



Product Name: Poly(DL-lactide) copolymer-Cyanine-7 endcap (Mn ~ 10,000-15,000Da)
(Lot#: 70209JSG-A)



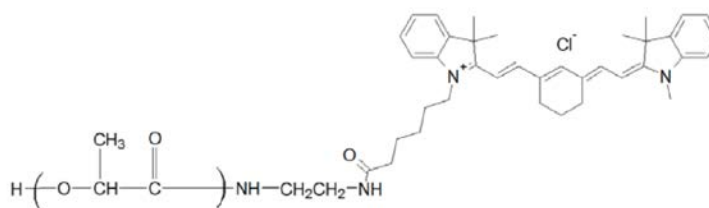
• GPC analysis of P(D,L)LA-CY7 copolymers



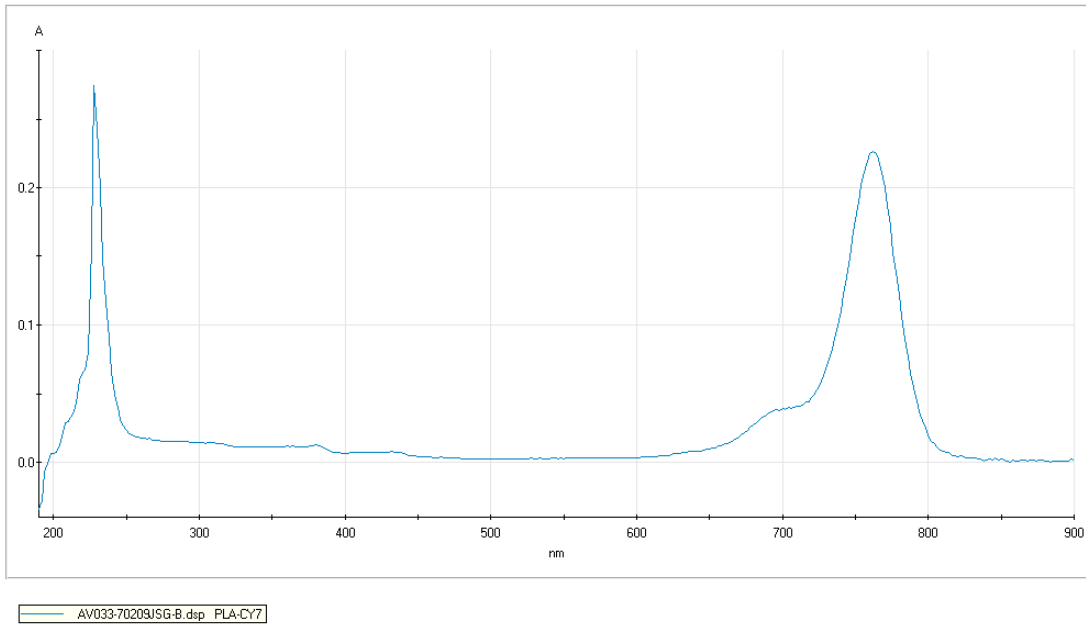
Analysis Method: Waters Breeze-2 system with 1 ml/min THF flow across three GPC columns.
Detection via refractive index, calibrated against polystyrene standards

Polymer	M _n (from GPC)	M _w (from GPC)	PDI
PLA-CY7	11,292	20,649	1.83

• Structure of P(D,L)LA-CY7 copolymers



UV-Vis Scan (Genesys 10S) 0.508 mg/ml solution in dichloromethane



Dye Content: Testing of absorbance of polymer at 762 nm in DCM as compared to series of CY7 standards has indicated a dye content of: 2.00 ug/mg polymer.