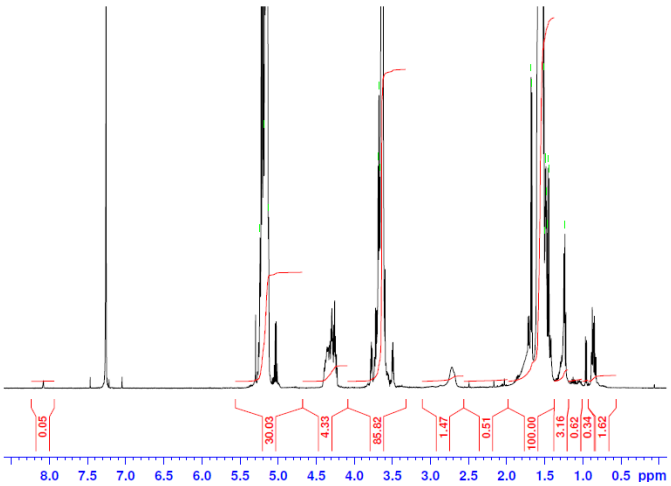
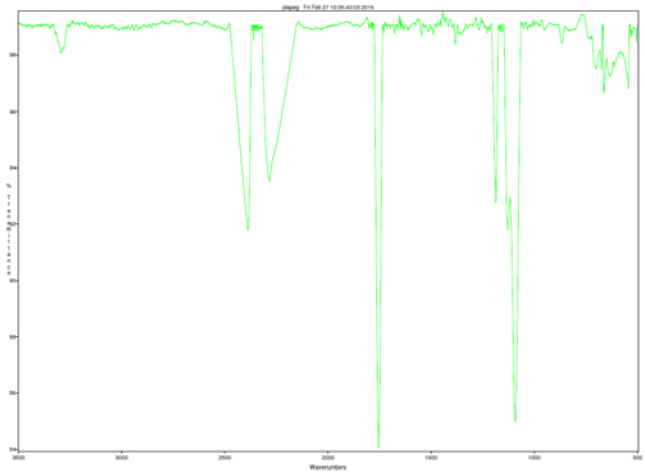
No. AK100 Certificate of Analysis

Product Name: Poly(DL-lactide)-*b*-Poly(ethylene glycol)-*b*-Poly(DL-lactide) triblock copolymers (1,700:1,500:1,700) (Lot#: 50220ZZZ)

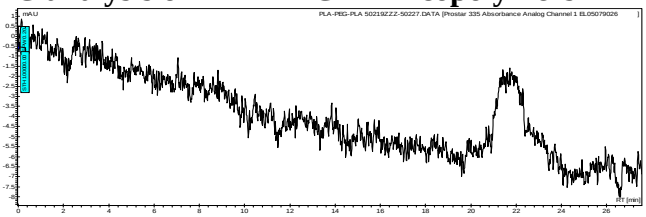


H-NMR Spectrum of PLA-PEG-PLA copolymers in CDCl3 (Varian Inova 500 MHz instrument), NMR of PLA-PEG-PLA repeat units: EG-LA = 34-48



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

GPC analysis of PLA-PEG-PLA copolymers

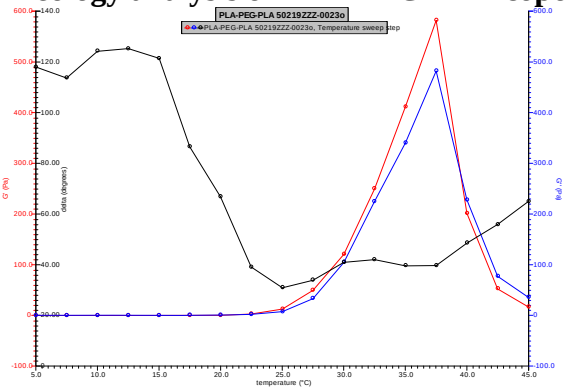


Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Phenogel 5 µm columns and one Resipore column (Agilent). Detection via UV/Vis, calibrated against polystyrene standards

Polymer	Mn	Mw	PDI
PLA-PEG-PLA	5,350	6,800	1.27
PEG 1,500 Initiatior	1,485*	-	-

*-per MFG provided information

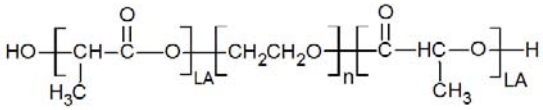
Rheology analysis of PLA-PEG-PLA copolymers



Rheology performed on AR550 (TA instruments) with 60mm 2degree cone on 20% w/v polymer in distilled water dissolved over 4 days with shaking at 4C. Viscosity of solution at 0.1 (sec-1) and 5C was measured (1 minute peak hold 5 second test intervals). Rheology performed by oscillating at constant 6.283 rad/s, 0.1% strain, in increments of 2.5C ranging from 5-45C with 3 minutes of temperature equilibration at each point.

Viscosity 20% w/v solution at 5C	0.09839 Pa.s

- **Structure of PLA-PEG-PLA copolymers**



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