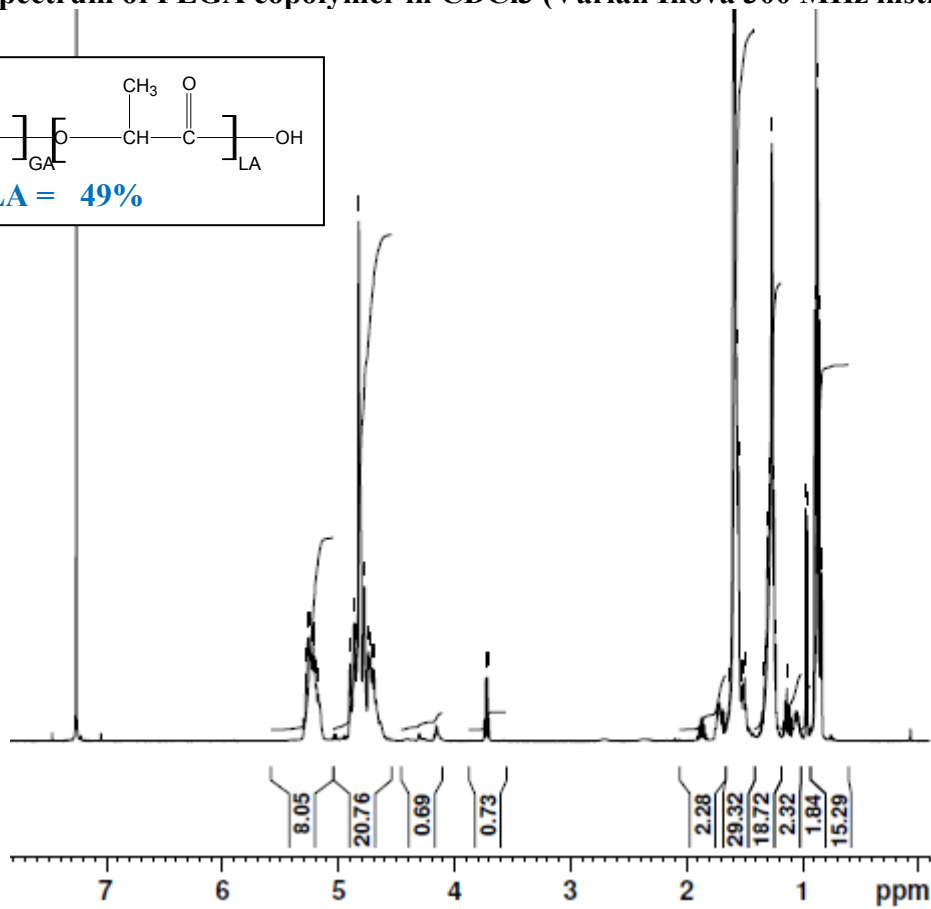
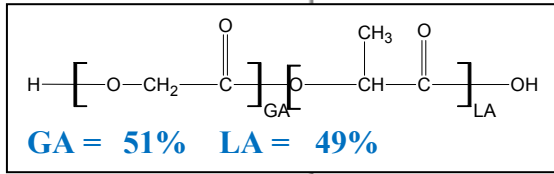


No. PLGA-50-02 Certificate of Analysis

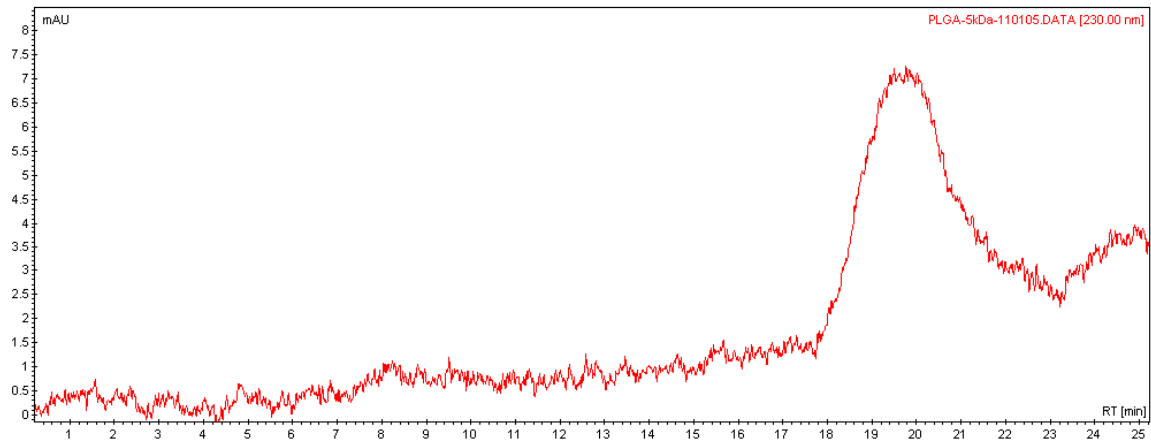
Product Name: Poly(lactic-co-glycolic) copolymers

- ¹H-NMR Spectrum of PLGA copolymer in CDCl₃ (Varian Inova 300 MHz instrument)



NMR of PLGA copolymers: LA/GA = 49%/51%

- GPC analysis of PLGA copolymers



Analysis Method: Varian Prostar system with 1 ml/min DCM flow across two Resipore 3 um columns and one Mixed E column (Varian) and with UV-Vis (PDA) detection. Calibrated against polystyrene standards

Polymer	Mn (from GPC)	Mw (from GPC)	PDI
PLGA	9464	14922	1.58

- Inherent Viscosity

Analysis Method: testing performed with a Cannon-Manning Ubbelohde type Semi-Micro calibrated viscometer (size 50 No C286). Sample was 0.5 ml of 1g/dl PLGA in DMSO tested at 30°C. Each sample IV determined in at a minimum triplicate. Values shown are mean ± 95% confidence (t-test). **Inherent Viscosity = 0.16 ± 0.04.**