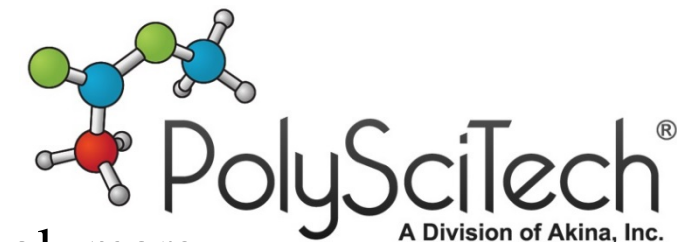


# Melting Point Technical Note



- Purpose: Provide melting point data on select PolyVivo PLA and PLGA polymers.
- Modulated Differential Scanning Calorimetry performed using TA Q8000 with argon flow. The dry samples were equilibrated at -60 °C, with temperature modulation of +/- 1 °C every 60 seconds, isothermal for 5 min, and ramped at 3 °C/min up to 300 °C.

<b>PolyVivo Cat#-Lot#</b>	<b>Polymer Description</b>	<b>Mw (GPC, weight average)</b>	<b>LA:GA (HNMR)</b>	<b>Melt point (C) (DSC)</b>
AP020 – 60325JCH-A	PLGA acid endcap	164,210	88:12	238.65
AP005 – B#0	PDLLa acid endcap	4987	100:0	14.61
AP112 – 40326SMS	PLGA di-alcohol endcap (butadiol)	1315	42:58	-7.33
AP031 – 31008AHT	PLGA decanol ester endcap	44,482	81:19	260.70
AP030 – 40521FCK	PLGA decanol ester endcap	27,942	81:19	265.80
AP004 – 60122ELH-A	PDLLa decanol ester endcap	137,118	100:0	243.52
AP003 – 30308JLB	PDLLa acid endcap	191,432	100:0	267.75
AP024 – 60415JSG	PLGA decanol ester endcap	45,942	84:16	223.24
AP016 – 50513MLS	PLGA acid endcap	32,187	55:45	259.64