Supporting Information

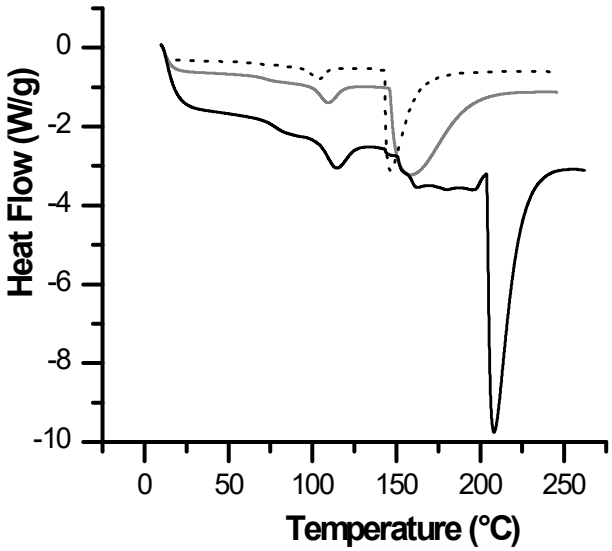

Figure SI 1: DSC curves for gelatin at 10 (**…**), 20 (▬) and 40°C/min (**▬**)

Table SI 2. Characteristic temperature extracted from DSC analyses in Figure SI 1

	T_m (°C)	T_d (°C)	ΔH_d (J /g)
10°C/min	104.2	146.4	235.6
20°C/min	109.6	158.5	218.7
40°C/min	114.5	208.2	135.4

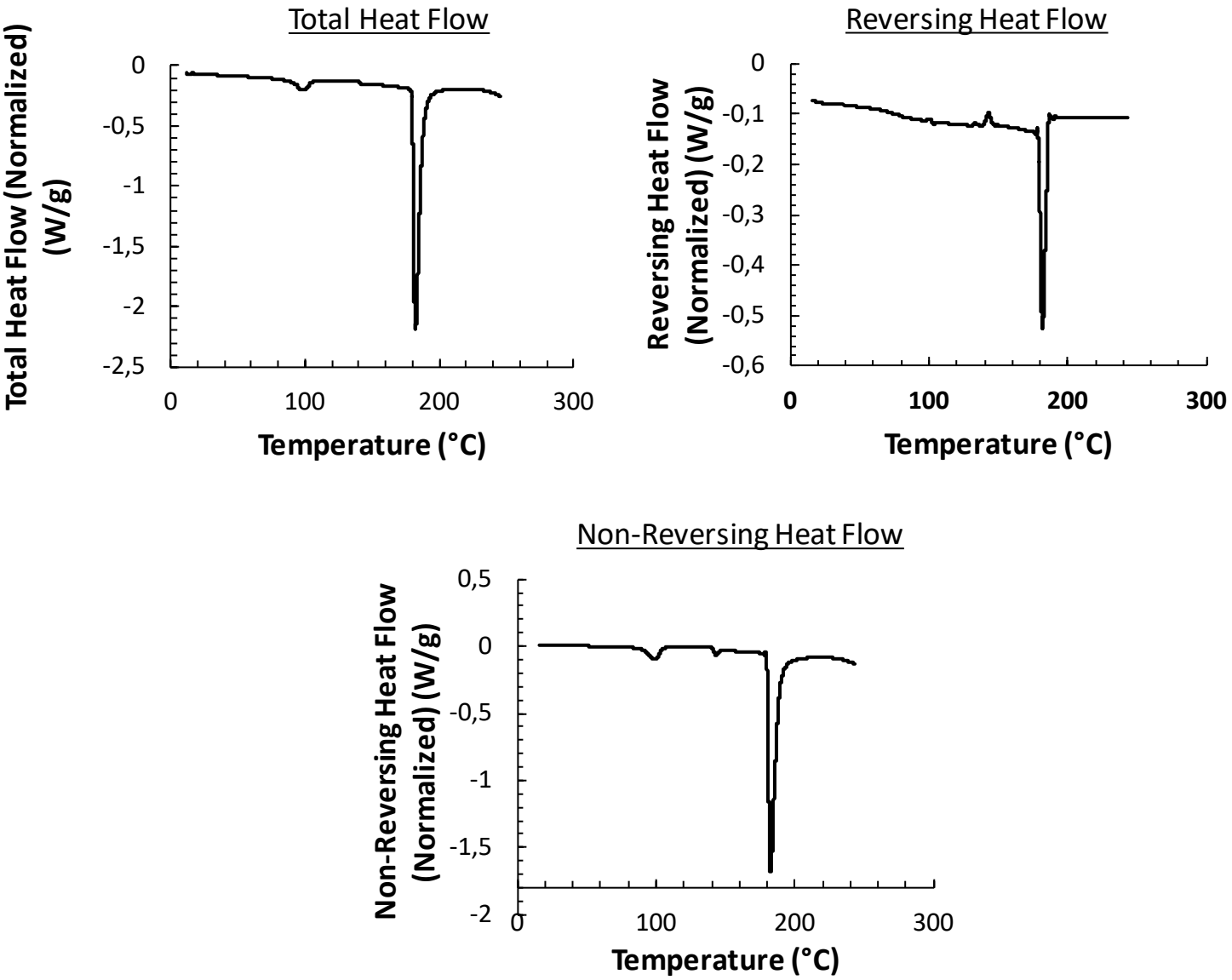

Figure SI 2. Modulated DSC curves for gelatin powder

Table SI 2. Characteristic temperature extracted from the DSC analyses in Figure SI 2

	T_m (°C)	$T_{d'}$ (°C)	T_d (°C)	ΔH_d (J /g)
Total Heat Flow	99.1	143.6	182.3	223.6
Reversing Heat Flow	-	142.9	181.9	37.6
Non reversing Heat Flow	99.3	143.0	182.5	186.0

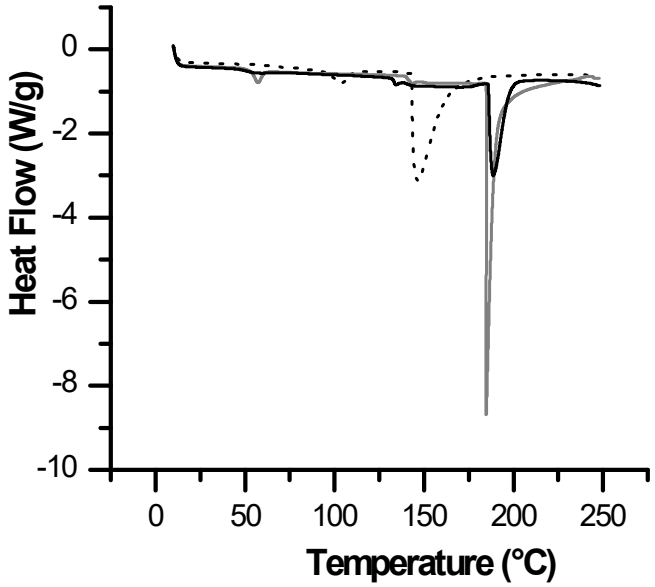

Figure SI 3. DSC curves for gelatin powder (….), electrospun gelatin (—) and gelatin fibers (—) obtained at 10°C per minute

Table SI 3. Characteristic temperature extracted from the DSC analyses in Figure SI 3

	T_g (°C)	T_d (°C)	ΔH_d (J /g)
Gelatin powder	79.5	146.4	235.6
Electrospun gelatin	51.5	184.7	206.8
Gelatin film	50.7	188.7	157.5

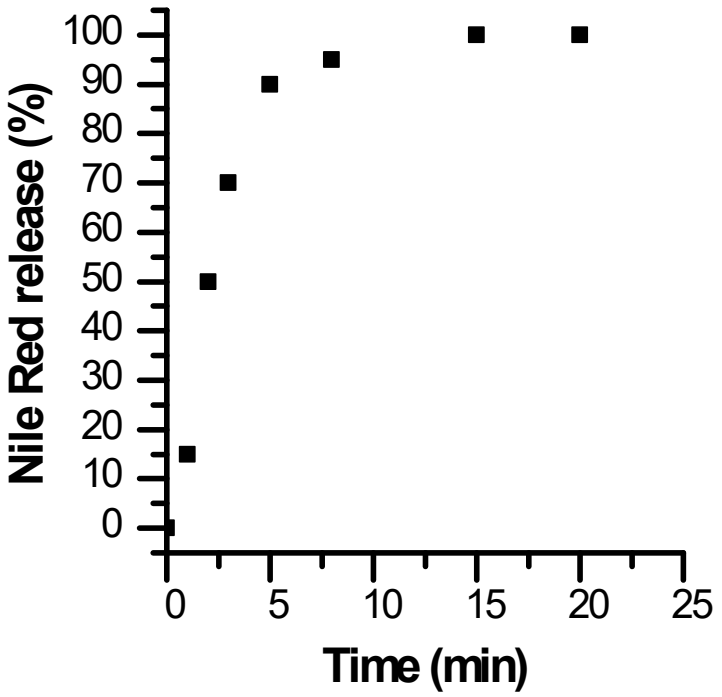

Figure SI 4. Nile red release from gelatin/Nile red (37°C, pH 7.4)