

Supplementary Material

Superparamagnetic nanoparticles with efficient near-infrared photothermal effect at the second biological window

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Power density /W cm ⁻²	IONs concentration / mg L ⁻¹	Temperature after 10 min /°C
3.5	0	28.7
	51	35.9
	127.5	37.6
	255	40.1
8.7	0	33.7
	51	46.4
	127.5	51.1
	255	62.2
14	0	35.8
	51	63.5
	127.5	68.2
	255	75.1

Table S1. Values of temperature after 10 min of irradiation at three power densities and at three concentrations. An ION concentration of 0 mg L⁻¹ represents a sample containing solely water. The initial temperature (time = 0) was ranging from 27.2 to 28.6 °C.

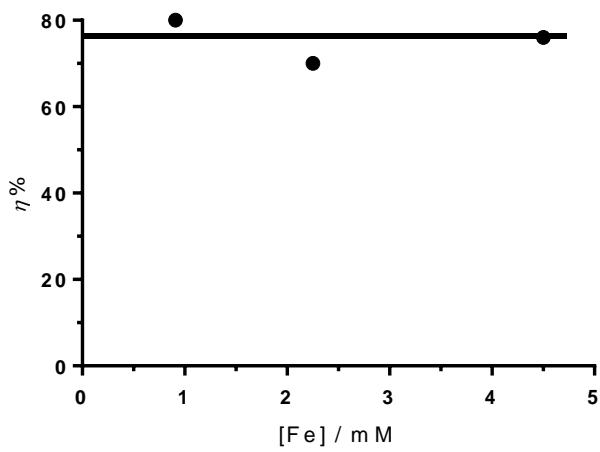


Figure S1. Photothermal conversion efficiency with respect to iron molar concentration.

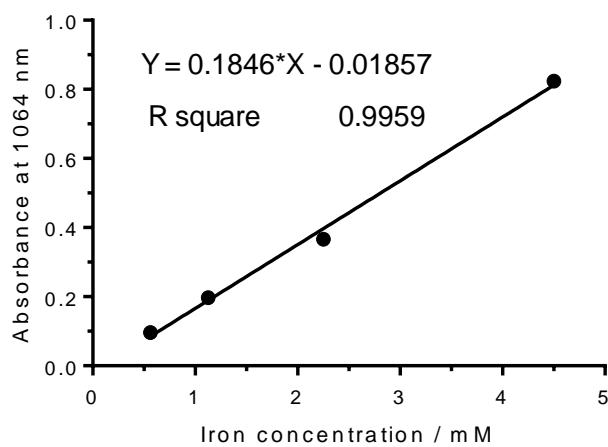


Figure S2. Linear regression corresponding to the changes in absorbance at 1064 nm with increasing iron concentration.