Electronic Supplementary Information

Laser ablation – tandem ICP-mass spectrometry (LA-ICP-MS/MS) imaging of iron oxide nanoparticles in Ca-rich gelatin microspheres

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Table of contents

1. Figures

1.1. Figure S1: Evaluation of the signal background contribution by ablation of a soda-lime-silica glass microscope slide substrate: average $^{56}\text{Fe(NH}_3)_2^+\text{ signal response, expressed in counts, versus the applied laser energy density, expressed in J cm}^{-2}$.

1.2. Figure S2: LA-tandem ICP-MS images of the quantitatively ablated gelatin droplet standards. The left and right columns display the Fe(NH$_3$)$_2^+$ and Y(NH$_3$)$_6^+$ images, respectively, for the gelatin standards with an Fe concentration of (a) 0.74 µg g$^{-1}$, (b) 6.41 µg g$^{-1}$, (c) 13.94 µg g$^{-1}$, (d) 24.22 µg g$^{-1}$, (e) 35.67 µg g$^{-1}$, (f) 46.83 µg g$^{-1}$ and (g) 58.79 µg g$^{-1}$ (+ Y as internal standard). The minimum-maximum signal intensity of the color bars for Fe(NH$_3$)$_2^+$ and Y(NH$_3$)$_6^+$ are $0 - 1.00 \times 10^4$ and $0 - 1.50 \times 10^5$, respectively.

1.3. Figure S3: Calibration curve with corresponding 95% confidence interval of the linear regression, calculated and plotted based on the normalized integrated $^{56}\text{Fe(NH}_3)_2^+$ signal intensity, expressed in cts, and the absolute mass of Fe, expressed in fg, obtained by quantitative ablation of the air-dried gelatin droplet standards.
1. Figures

1.1. Figure S1

Figure S1. Evaluation of the signal background contribution by ablation of a soda-lime-silica glass microscope slide substrate: average $^{56}\text{Fe}(\text{NH}_3)_2^+$ signal response, expressed in counts, versus the applied laser energy density, expressed in J cm$^{-2}$. 
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