

Supplementary Material (ESI) for New Journal of Chemistry
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Electronic Supplementary Information

23 March 2007

**Magnetic Properties of Dendrimer-Encapsulated Iron Nanoparticles
Containing an Average of 55 and 147 Atoms.**

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(3 pages)

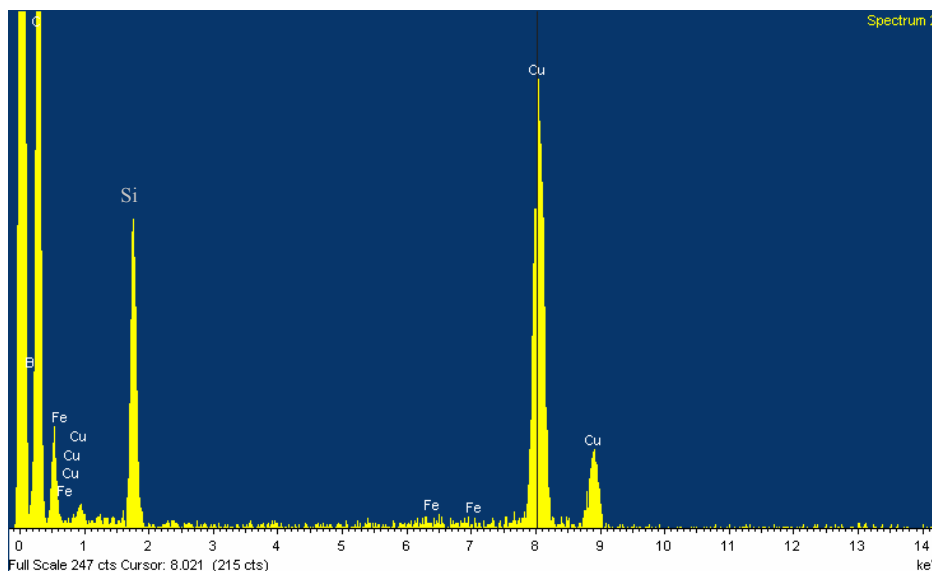


Figure S1. Large-area EDS spectra of dialyzed G6-C₁₂(Fe₁₄₇) DENs. After purification of the DENs, no signal attributable to boron is observed, indicating that the level of possible boron contamination is below the detection limit of this method. Cu, C, and Si signals are observed due to the TEM grid used for the analysis.

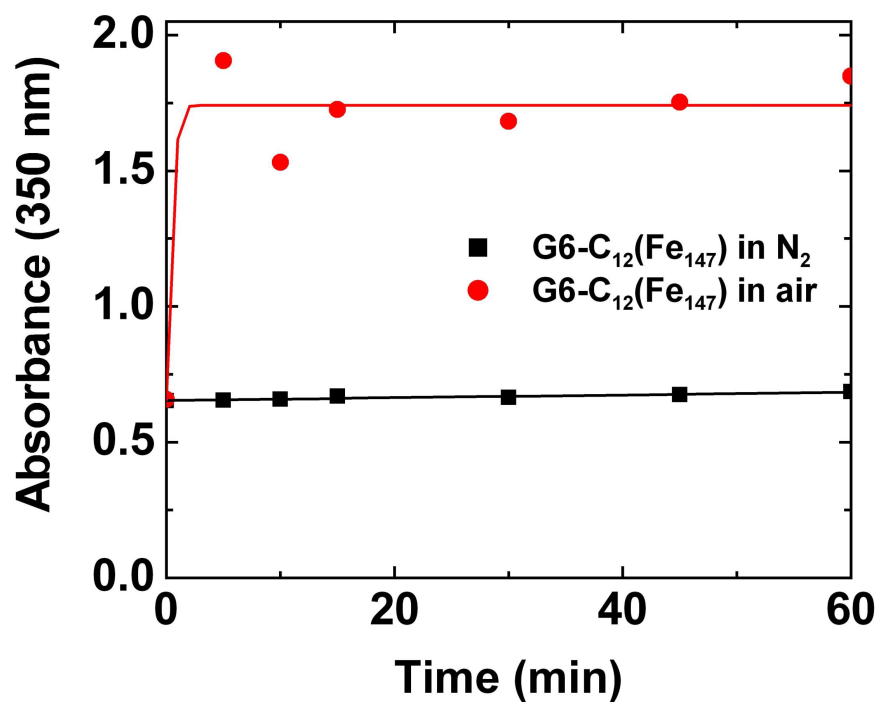


Figure S2. Time-resolved UV-vis analysis of G6-C₁₂(Fe₁₄₇) DENs showing the effect of air oxidation. The black curve represents G6-C₁₂(Fe₁₄₇) maintained under a N₂ atmosphere and the red curve demonstrates rapid increase of absorbance when the solution is exposed to air due to scattering.