

Materials List for:

# Synthesis of <sup>68</sup>Ga Core-doped Iron Oxide Nanoparticles for Dual Positron Emission Tomography / (T<sub>1</sub>)Magnetic Resonance Imaging

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URL: <https://www.jove.com/video/58269>

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## Materials

Name	Company	Catalog Number	Comments
Iron (III) chloride hexahydrate	POCH	2317294	
Citric acid, trisodium salt dihydrate 99%	Acros organics	227130010	
Hydrazine hydrate	Aldrich	225819	
Hydrochloric acid 37%	Fisher Scientific	10000180	
Sodium dihydrogen phosphate monohydrate	Aldrich	S9638	
Disodium phosphate dibasic	Aldrich	S7907	
Sodium chloride	Aldrich	746398	
Sodium Azide	Aldrich	S2002	
Sodium dihydrogen phosphate anhydrous	POCH	799200119	
<sup>68</sup> Ga Chloride	ITG Isotope Technologies Garching GmbH, Germany	68Ge/68Ga generator system	
Microwave	Anton Paar	Monowave 300	
Centrifuge	Hettich	Universal 320	
Size Exclusion columns	GE Healthcare	PD-10	