

Materials List for:

Use of a Multi-compartment Dynamic Single Enzyme Phantom for Studies of Hyperpolarized Magnetic Resonance Agents

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Materials

Name	Company	Catalog Number	Comments
BioSpect 7T	Bruker	BioSpec 70/30 USR	7 Tesla Pre-Clinical MRI Scanner
HyperSense	Oxford Instruments	Hypersense DNP Polarizer	Dynamic Nuclear Polarizer for MRI agents
1- ¹³ C-Pyruvic Acid	Sigma Aldrich	677175	Carbon 13 labeled neat pyruvic acid
Trityl Radical	GE Healthcare	OX063	Free radical used in Dynamic Nuclear Polarization
NaOH	Sigma Aldrich	S8045	
EDTA	Sigma Aldrich	E6758	Ethylenediaminetetraacetic acid
LDH	Worthington	LS002755	Lactate Dehydrogenase from rabbit muscle
NADH	Sigma Aldrich	N4505	β-Nicotinamide adenine dinucleotide, reduced dipotassium salt
Trizma	Sigma Aldrich	T7943	Trizma Pre-set crystals
NaCl	Sigma Aldrich	S7653	