1 µm IRON MICROSPHERES FOR CELL LABELING

The twenty-first century began with the completion of the human genome project and the dawn of proteomics and systems-biology. These emerging fields will attempt to understand how newly discovered proteins impact human physiology and disease. As researchers progress from molecular- and cellular-based studies to *in vivo* systems, innovative technologies are needed to allow multiple tracking of probes and multiple measurements of functional parameters in *in vivo* models. One arena of research that has emerged due to recent discoveries has been the field of cellular transplantation.

BioPAL has developed a biodegradable 1µm superparamagnetic particles and a long-lived (non-biodegradable) superparamagnetic 1 µm microsphere for applications in cell labeling and drug delivery experiments for MRI technology. These reagents are classified as a darkening agent acting through the T2 relaxation process.

NOT FOR HUMAN USE.

1 µm Iron-Labeled Particles and Microspheres

Catalog Number		
	Biodegradable	
CL-01Q02-B	Micro***TRACK***™	$ 100.00
	1 µm biodegradable iron microparticles. 1 ml packaged in a 2 ml sealed serum bottle, containing approximately 8.4 billion particles. Particles are packaged in an aqueous suspension at 25 mg Fe/ml.	
CL-01Q02-B-A	Micro***TRACK***™ Amine-terminated	$ 150.00
	1 µm (± 0.5 µm) silane-coated, biodegradable iron microparticles that are amine-terminated for attaching proteins and ligands. 1 ml packaged in a 2 ml sealed serum bottle (~8.4 billion particles). Particles are packaged in an aqueous suspension at 25 mg Fe/ml. REF: *J Lab Clin Med* 1987;**110**:164-171	
CL-01Q02-B-50	Micro***TRACK***™ **Rhodamine B**	$ 300.00
	1 µm (± 0.5 µm) silane-coated, biodegradable iron microparticles labeled with rhodamine B. 1 ml packaged in a 2 ml sealed serum bottle (~8.4 billion particles). Particles are packaged in an aqueous suspension at 25 mg Fe/ml.	
	Non-Biodegradable	
CL-01Q02-L	Micro***TRACK***™	$ 100.00
	1 µm (± 0.5 µm) polystyrene, non-biodegradable iron microspheres. 1 ml packaged in a 2 ml sealed serum bottle, containing approximately 8.4 billion microspheres. Particles are packaged in an aqueous suspension at 5 mg Fe/ml.	
CL-01Q02-L-50	Micro***TRACK***™ **Rhodamine B**	$ 300.00
	1 µm (± 0.5 µm) polystyrene, non-biodegradable iron microspheres labeled with rhodamine B. 1 ml packaged in a 2 ml sealed serum bottle (~8.4 billion microspheres). Particles are packaged in an aqueous suspension at 5 mg Fe/ml.	