

Materials List for

Non-thermal Infrared Light Treatment of Ischemia/Reperfusion Injury and Subsequent Analysis of Macrophage Differentiation

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Materials

Name	Company	Catalog Number	Comments
2,3,5-Triphenyltetrazolium	Sigma Aldrich	17779-10X10ML-F	1% solution
4–15% Criterion TGX Stain-Free Protein Gel	BioRad	#5678084	Tris-glycine extended gels
4x Laemmli Sample Buffer - 1610747	BioRad	16110747	
670 nm light source	NIR Technologies		custom made
BCA Protein Assay Kit	Thermo Fisher	23227	
BioRad ChemiDoc	Bio-Rad		Imaging system
Bio-Rad			
β-mercaptoethanol	BioRad	1610710	
CXCL1 ELISA	R&D Systems	DY453-05	
CXCL5 ELISA	R&D Systems	DX000	
Forane	Baxter	1001936040	isoflurane inhalant
goat anti-rabbit IgG-HRP	Santa Cruz Biotechnologies	sc-2004	1:10,000 dilution
Ice Accu ice pack			
Laser doppler Imager	Moor	MOORLDI2-HIR	
monoclonal CD14 antibody	Santa Cruz Biotechnologies	sc-515785	1:200 dilution
monoclonal CD206 antibody	Santa Cruz Biotechnologies	sc-58986	1:200 dilution
monoclonal CD68 antibody	Santa Cruz Biotechnologies	sc-20060	1:200 dilution
Pierce Protein free (TBS) blocking buffer			blocking buffer
polyclonal Chlorotyrosine Antibody	Hycult	HP5002	1:1,000 dilution
Protein A/G PLUS-Agarose	Santa Cruz Biotechnologies	sc-2003	
Super Signal West Femto	ThermoFisher	34095	enhanced chemiluminescence reagent