

Materials List for

Demystifying In Vivo Bioluminescence Imaging of a Chagas Disease Mouse Model for Drug Efficacy Studies

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Materials

Name	Company	Catalog Number	Comments
BD LSRFortessa™ X-20 Cell Analyzer	BD Biosciences		
Weighing Balance (animal facility)	Available from several suppliers		
IVIS Spectrum In Vivo Imaging System	Revvity (former PerkinElmer)		
FlowJ Software v10.7.1	BD Biosciences		
Living Image Software for Spectrum v4.7.1	Revvity (former PerkinElmer)		License Free Analysis Software called 'Aura Imaging' could be used for the most basic features provided by Spectral Instruments Imaging (Bruker company) (https://spectralinvivo.com/software/)
Microsoft Office software	Microsoft		
GraphPad Prism v8.4.0	GraphPad Software Inc.		
DMEM Low Glucose	Vitrocell	D0025	
Sodium bicarbonate	Sigma-Aldrich	S5761-500G	
Foetal Bovine Serum (FBS)	Gibco	16000-044	
Penicillin-Streptomycin	Gibco	15140-122	
Trypsin 0.5% EDTA	Gibco	25300-062	
LIT medium	In house		
Hygromycin B (50 mg/mL)	Gibco	10687010	
Grace's Insect Medium	Sigma-Aldrich	G9771	
HEPES	Sigma-Aldrich	54457	
IVISBrite d-luciferin potassium salt	Revvity (former PerkinElmer)	122799	Also could be used: VivoGlo Luciferin, in vivo grade (Promega/P1043); D-Luciferin, Monopotassium Salt (Thermo Scientific/88293) or PierceD-Luciferin, Monosodium* Salt (Thermo Scientific/88291); D-Luciferin, Potassium Salt (GoldBio/LUCK or eLUCK); D-Luciferin,

			Sodium* Salt (GoldBio/LUCNA or eLUCNA) *Sodium or potassium salt differences relies minimal chances on solubility, however do not affect in vivo performance.
DPBS	Gibco	21600-044	
Cyclophosphamide (CTX)	Sigma-Aldrich	C0768-5g	
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D5879	
(Hydroxypropyl)methyl cellulose (HPMC)	Sigma-Aldrich	09963-25G	
Benzyl alcohol	Sigma-Aldrich	402834	
Tween 80	Sigma-Aldrich	P1754-1L	
Benznidazole	ELEA		
Posaconazole (Noxafil commercial formulation)	Schering-Phough		
Giemsa	Available from several suppliers		
gavage needle (stainless-steel straight) - 22GA	Aton	CA2003	
1 mL Syringe and 31G needle	Available from several suppliers		
1 mL Syringe and removable 26G needle	Available from several suppliers		
1 mL Syringe and removable 24G X ³ / ₄ needle	Available from several suppliers		
Sterile Syringe Filter 0.2 µm	Available from several suppliers		
A4 Matte Black paper 120gr or thicker	Paper Color/ Canson (Available from several suppliers)		
aluminum foil	Available from several suppliers		
Neubauer chamber	Available from several suppliers		