

Materials List for:

Flexible Measurement of Bioluminescent Reporters Using an Automated Longitudinal Luciferase Imaging Gas- and Temperature-Optimized Recorder (ALLIGATOR)

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Materials

Name	Company	Catalog Number	Comments
DMEM (1x) + GlutaMAX	Gibco	31966-021	
Hyclone FetalClone III Serum	GE Healthcare	SH30109.03	
Neurobasal medium	ThermoFisher	21103049	basal medium
Bovine Serum Albumin	Sigma	A4919	
Catalase	Sigma	C40	
Glutathione	Sigma	G6013	
Insulin	Sigma	I1882	
Superoxide Dismutase	Sigma	S5395	
Holo-transferrin	Calbiochem	616424	
T3 (triiodo-L-thyronine)	Sigma	T6397	
L-Carnitine	Sigma	C7518	
Ethanolamine	Sigma	E9508	
D (+)-Galactose	Sigma	G0625	
Putrescine	Sigma	P5780	
Sodium Selenite	Sigma	S9133	
Corticosterone	Sigma	C2505	
Linoleic Acid	Sigma	L1012	
Linolenic Acid	Sigma	L2376	
Lipoic Acid	Sigma	T1395	
Progesterone	Sigma	P8783	
Retinol Acetate	Sigma	R7882	
Retinol, all trans	Sigma	95144	
D,L-alpha-Tocopherol	Sigma	95240	
D,L-alpha-Tocopherol acetate	Sigma	T3001	
Sodium Bicarbonate Solution	Sigma	S8761-100ML	
GlutaMAX (100x)	Gibco	35050-038	
Penicillin-Streptomycin	Sigma	P4333	
Galaxy 170R incubator	Eppendorf	CO17301001	
Luciferin	Biosynth	L-8220	
D -(+)-Glucose solution	Sigma	G8644-100ML	
DMEM powder	Sigma	D5030	
MOPS	Sigma	PHG0007	
1 mm I.D. silicone tubing	GE Healthcare	19-4692-01	

Elbow luer connector	Ibidi	10802	
Male luer fittings	Ibidi	10826	
Female luer fittings	Ibidi	10825	
μ-slide luer I 0.6	Ibidi	80196	
BD plastipak 20ml syringe	Becton Dickinson	300613	
1mm I.D. ETFE tubing	GE Healthcare	18-1142-38	
PF670462	Sigma	SML0795	
B27 Supplement (50x)	ThermoFisher	17504044	
iXon Ultra EMCCD camera	Andor	iXon 888	
Fiji	ImageJ	N/A	
Prism 7.0	Graphpad Software	N/A	
Trypan blue	Sigma	T8154	
Deltaphase Isothermal Pad	Braintree Scientific	39DP	
Heated neutral density filter	Cairn Research	Custom item	
Osmomat 030	Gonotech	Discontinued	
300 mOsmol/kg calibration standard	Gonotech	30.9.0020	
Measuring vessel	Gonotech	30.9.0010	
Focusing cylinder	Cairn Research	Custom item	
NE-1600 programmable syringe pump	Pump Systems inc.	NE-1600	
Andor Solis Software	Andor	N/A	