

Materials List for:

Nucleofection and In Vivo Propagation of Chicken *Eimeria* Parasites

Chunhui Duan¹, Xinming Tang¹, Dandan Hu¹, Sixin Zhang¹, Jie Liu¹, Feifei Bi¹, Zhenkai Hao¹, Jingxia Suo¹, Ying Yu¹, Min Wang¹, Pei Sun¹, Liying Du², Xun Suo¹, Xianyong Liu¹

¹National Animal Protozoa Laboratory, College of Veterinary Medicine, China Agricultural University

²School of Life Sciences, Peking University

Correspondence to: Xianyong Liu at liuxianyong@cau.edu.cn

URL: <https://www.jove.com/video/60552>

DOI: [doi:10.3791/60552](https://doi.org/10.3791/60552)

Materials

Name	Company	Catalog Number	Comments
ATP-disodium	Sigma	A26209	
Cellulose DE-52	Solarbio	C8350	
Constant Flow Pump	SHANGHAI JINGKE INDUSTRIAL CO., LTD.	HL-2B	
DMEM	MACGENE	CM15019	
Glass beads	Sigma	Z250473-1PAK	
Glucose	Sigma	No. V900116	
Glycine	Biotopped	G6200	
HBSS	MACGENE	CC016	
KH2PO4	Sigma	No. V900041	
Low Speed Centrifuge	BEIJING ERA BEILI CENTRIFUGE CO., LTD.	DT5-2	
Magnetic Mixer	SCIOGEX	MS-H280-Pro	
MgCl2	Sigma	449164	
MoFlo cell sorter	BeckMan Coulter, US	201309995	
NaHCO3	Sigma	144-55-8	
Nucleofection device	LONZA/amaxa	90900012 (Nucleofector II)	
PBS	Solarbio	P1010	
Percoll (DG gradient stock solution)	GE Healthcare	17-0891-09	
Sodium taurodeoxycholate hydrate	Sigma	T0875	
Sorvall Legend Micro 17 Microcentrifuge	ThermoFisher Scientific	75002430	
The composition of DMEM: 4.5 g/L glucose with sodium pyruvate, L-glutamine, and 25 mM HEPES.			
Trypsin	Solarbio	T8150	
Vortex Mixer	Beijing North TZ-Biotech Develop.co.	HQ-60-II	
Water Bath Thermostat	Grant Instruments (Cambridge), Ltd.	GD120,GM0815010	