

Materials List for:

An Ex Vivo Chicken Primary Bursal-cell Culture Model to Study Infectious Bursal Disease Virus Pathogenesis

Katherine L. Dulwich^{*1}, Amin S. Asfor^{*1}, Alice G. Gray¹, Venugopal Nair¹, Andrew J. Broadbent¹

¹The Pirbright Institute

*These authors contributed equally

Correspondence to: Andrew J. Broadbent at andrew.broadbent@pirbright.ac.uk

URL: <https://www.jove.com/video/58489>

DOI: [doi:10.3791/58489](https://doi.org/10.3791/58489)

Materials

Name	Company	Catalog Number	Comments
RPMI-1640 Medium	Merck	R8758-500ML	
FBS	gibco by Life Technologies	10099-141	heat-inactivate at 56 °C for 1 h
Puromycin Dihydrochloride	Thermo Fisher Scientific	A1113802	
Nalgene Rapid-Flow Sterile Disposable Filter with a PES membrane	Thermo Fisher Scientific	168-0045	
Pierce Protein Concentrator PES (10K MWCO, 20 mL)	Thermo Fisher Scientific	88528	
0.22 µm Millex-GP Syringe Filter	Merck	F7648	
Hanks' Balanced Salt Solution (HBBS) + CaCl ² + MgCl ²	gibco by Life Technologies	14060-040	
Hanks' Balanced Salt Solution (HBBS) - CaCl ² - MgCl ²	gibco by Life Technologies	14180-046	
Ethylenediaminetetraacetic acid solution (EDTA)	Merck	03690-100ML	
Iscove's Modified Dulbecco's Medium (IMDM) (1 X) + GlutaMAX	gibco by Life Technologies	31980-030	
Chicken Serum	Merck	C5405-100ML	
2-Mercaptoethanol 50 mM	gibco by Life Technologies	31350-010	
Insulin-transferrin-sodium-selenite	gibco by Life Technologies	41400-045	
Collagenase D	Roche Diagnostics GmbH	11088882001	
100 µm Cell Strainer	Corning	431752	
Histopaque-1083	Merck	10831-100ML	
Trypan Blue solution	Merck	T8154-20ML	
Nunc96 Well-Polystyrene Round Bottom Microwell Plates	Thermo Fisher Scientific	163320	
Falcon 24-well Clear Flat Bottom TC-treated Multiwell Cell Culture Plate, with Lid, Sterile	Corning	353047	
Rneasy Mini Kit	Qiagen	74104	