

Materials List for:

Development of an *In Vitro* Ocular Platform to Test Contact Lenses

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Materials

Name	Company	Catalog Number	Comments
Arduino Uno R3 (Atmega328 - assembled)	Adafruit	50	Board
Stepper motor	Adafruit	324	Motor and Motor shield
Equal Leg Coupler 1.6mm 1/16"	VWR	CA11009-280	50 pcs of tube connector
Tubing PT/SIL 1/16"x1/8"	VWR	16211-316	Case of 50feet
PDMS	Dow Corning	Sylgard 184 Solar Cell Encapsulation	
Agarose, Type 1-A, low EEO	Sigma-Aldrich	A0169-25G	
PHD UltraTM	Harvard Apparatus	703006	MicroFluidic Pump
Bovine cornea	Cargill, Guelph/ON		
Solidworks	Dassault Systemes		Software
3-D printing	University of Waterloo - 3D Print Centre		
Dissection tools	Fine Science Tools		General dissection tools
Medium 199	Sigma-Aldrich		Culture medium storage for cornea
Fetal bovine serum	Thermo Fisher		Add to culture medium, 3% total volume