

Materials List for

alamarBlue Assay: A Sensitive Fluorometric Method to Screen the Cytotoxic Effects of Artificial Tear Formulations on Metabolic Activity of Human Corneal Epithelial Cells

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URL: <https://www.jove.com/video/21238>
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Materials

Name	Company	Catalog Number	Comments
96 well plate	costar	3370	
alamarBlue	Fisher Scientific	dal 1025	
Corning 48 Well plates	Corning	354505	This is the BioCoat brand collagen coated
DMEM/F12 with L-glutamine and 15 mM HEPES	Gibco	11039-021	There is No Phenol Red in this media
Fetal Bovine Serum	Hycone	SH30396.03	
Human Corneal Epithelial Cells	University of Ottawa	N/A	SV40-immortalized human corneal epithelial cells from Dr. M. Griffith (Ottawa Eye Research Institute, Ottawa, Canada) and have been characterized Griffith M, Osborne R, Munger R, Xiong X, Doillon CJ, Laycock NL, Hakim M, Song Y, Watsky MA. Functional human corneal equivalents constructed from cell lines. Science. 1999;286:2169–72.
TrypLE Express (cell disassociation solution)	Fisher Scientific	12605036	
Cytation 5	BioTek	CYT5MPV	Can read fluorescence from 280 - 700 nm (for assay 540/590)