

Materials List for:

Quantitative Analysis of Random Migration of Cells Using Time-lapse Video Microscopy

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URL: <https://www.jove.com/video/3585>

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Materials

Name	Company	Catalog Number	Comments
DMEM	Thermo Fisher Scientific, Inc.	SH30243.01	
FBS	Gemini Bio Products	100-106	
Opti-Mem	Invitrogen	31985-070	
Collagen	BD Biosciences	354231	
Microscope with Live Cell chamber & Automated XY stage controller	Olympus Corporation	Olympus 1X81	
Environmental control chamber	Neue	Neue Live Cell Chamber	Ours has a custom built rectangular glass plate top for appropriate optics through the top of the chamber. The rectangular shape accommodates multi-well plates used in many of our experiments.
Automated XY stage	Prior Scientific	Prior Proscan	This allows precise return to multiply selected XY positions during time lapse microscopy.
Camera		Hamamatsu EM camera C9100	
Software	Typically purchased through microscope vendor such as Olympus	Slide Book 5	