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Version 1

0.1% BSA media prep and flow V.1

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Protocol status: Working

We use this protocol and it's working

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Keywords: bmp pathway, flow experiments with the ibidi perfusion system, ibidi perfusion system, fetal bovine serum, onset of flow, replacing egm2, egm2, flow, flow experiment

Abstract

Fetal Bovine Serum contains traces of ligands of the BMP pathway which affect the flow experiments with the ibidi perfusion system.



replacing EGM2 with 2% with EGM2 with 0.1% BSA 4h prior to onset of flow (with same media) allows cells to respond better and collectively to flow.

Troubleshooting





BSA 0.1% media prep

5m

- 1  50 mL EGM2 without FBS
 667 μ L BSA 7.5% solution
filtrate through 0.22um yellow filter.
Add to slides 4h before starting flow.

Optional

- 2 adding BMP9/10 to flow experiment
in order to obtain a final  0.5 Mass Percent , add 1.4ul BMP9/10 of
 10 Mass Percent initial concentration per perfusion unit (volume of 14ml)
add this to each perfusion unit during slide connection