

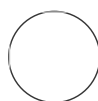


JAN 04, 2023

0.1% BSA media prep and flow

Olya Oppenheim¹

¹Max Delbrück Center for Molecular Medicine



Olya Oppenheim

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.

OPEN ACCESS

DOI:

dx.doi.org/10.17504/protocols.io.x54v9d7zpg3e/v1

Protocol Citation: Olya Oppenheim 2023. 0.1% BSA media prep and flow.

protocols.io

<https://dx.doi.org/10.17504/protocols.io.x54v9d7zpg3e/v1>

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Protocol status: Working
We use this protocol and it's working

Created: Jan 02, 2023

Last Modified: Jan 04, 2023

PROTOCOL integer ID:
74646

BSA 0.1% media prep

5m

- 50 mL EGM2 without FBS
 - 667 µL 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 [M] 0.5 ng/ml , add 1.4ul BMP9/10 of [M] 10 ug/ml initial concentration per perfusion unit (volume of 14ml)
add this to each perfusion unit during slide connection