

## Experimental Metadata Specifications:

### MEMA Cell Growth Assay

**Importance** 1: Required, 2: Required if available, 3: Optional

LINCS Field Name	Definition	Importance
MEMA_Printing_Instrument	Instrument utilized to place ECM Proteins onto slides	1
MEMA_Printing_Instrument_Software_Version	The software version of the instrument	1
MEMA_Outcome_Instrument	Instrument used for measurement of fluorescence following experimental procedures	1
MEMA_Preparation_Pipeline	Description of coating, list of proteins tested, cell densities and experimental time	1
MEMA_Coating	Substrate coating utilized for experimental procedures	1
MEMA_Coating_Amount	Amount of prepared substrate mixture used per slide (uL)	2
MEMA_Cell_Density	Number of cells seeded on coated and prepared MEMA slide, in cells/cm <sup>2</sup>	1
MEMA_Culture_Time	Amount of time cells were cultured on MEMA slides prior to fixation and staining (48 hours, 3 days, etc.)	1