

Supplementary Information

Microengineered human amniotic ectoderm tissue array for high-content developmental phenotyping

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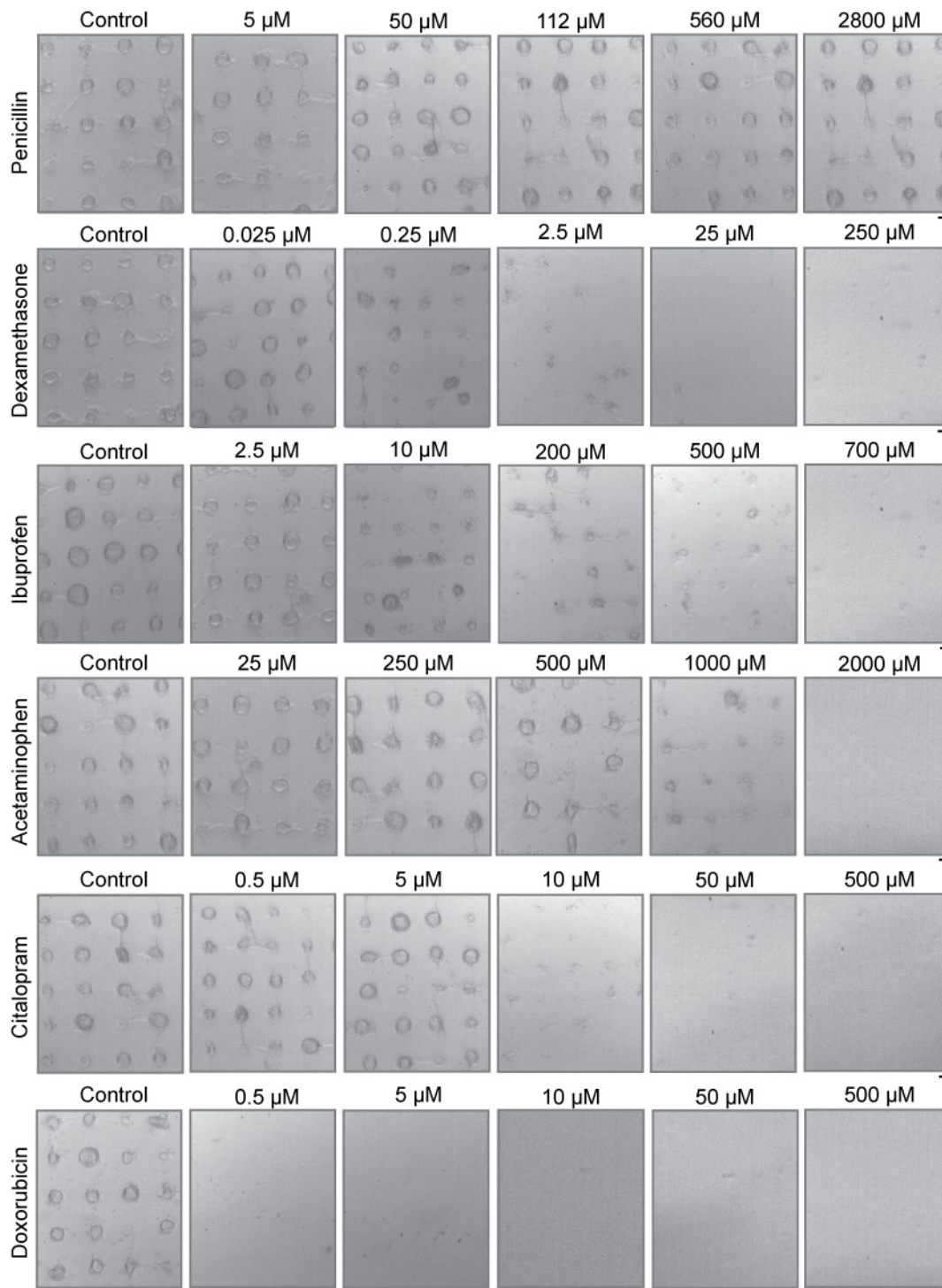
SUPPLEMENTARY TABLE 1. Table of antibodies used in this work.

No.	Protein	Species	Application	Catalog. No	Vender
1	EZRIN	Mouse	1 : 2000	E8897	Sigma-Aldrich
2	NANOG	Rabbit	1 : 500	4903S	Cell Signaling Technology
3	OCT4	Rabbit	1 : 500	2750	Cell Signaling Technology
4	SOX2	Rabbit	1 : 1000	09-0024	Stemgent
5	TFAP2A	Mouse	1 : 100	SC-12726	Santa-Cruz Biotechnology
6	TFAP2B	Rabbit	1 : 100	2509	Cell Signaling Technology
7	GATA3	Mouse	1 : 100	SC-268	Santa-Cruz Biotechnology
8	E-CADHERIN	Mouse	1 : 500	610181	BD Biosciences

SUPPLEMENTARY TABLE 2. List of clinically relevant drugs tested in this work and their concentration ranges.

No.	Compounds	Concentration range	Vender
1	Dexamethasone	0.5 – 500 μ M	Sigma-Aldrich
2	Citalopram	0.5 – 500 μ M	Sigma-Aldrich
3	Ibuprofen	2.5 – 700 μ M	Sigma-Aldrich
4	Penicillin	5 – 2800 μ M	Sigma-Aldrich
5	Doxorubicin	0.5 – 500 μ M	Sigma-Aldrich
6	Acetaminophen	25 – 2000 μ M	Sigma-Aldrich

Supplementary Figure 1.



Supplementary Figure 1. Bright field images showing AM microtissue arrays treated with different drugs at different doses as indicated. Scale bars, 50 μm .