

Supplementary Table S1. Expansion medium (ExM) composition

Product	Company	Product number	Concentration in ExM
Advance DMEM/F12	Life Technologies	12634010	1X
N2 supplement	Life Technologies	17502048	1X
B27 supplement minus vitamin A	Life Technologies	12587010	1X
Primocin	Invivogen	ant-pm-1	100 µg/ml
N-Acetyl-L-cysteine	Sigma	A9165	1.25 mM
L-glutamine	Sigma	G7513	2 mM
Recombinant human EGF	Peprotech	AF-100-15	50 ng/ml
Recombinant human Noggin	Peprotech	120-10c	100 ng/ml
Recombinant human Rspodin-1	Peprotech	120-38	500 ng/ml
Recombinant human FGF-10	Peprotech	100-26	100 ng/ml
Recombinant human HGF	Peprotech	100-39	50 ng/ml
ALK-4, -5, -7 inhibitor, A83-01	Peprotech	9094360	500 nM
Nicotinamide	Sigma	N0636	10 nM