

Supplemental Table S1. Vendor and Catalog numbers for SA and SG media components.	
Component	Supplier, Catalog Number
1. Base Media/Nutrient Supplements:	
StemPro34 SFM Base	Invitrogen, 10639-011
40x StemPro34 nutrient supplement	Invitrogen, 10639-011
Dulbecco's Modified Eagle's Medium:HamsF12 nutrient mix (1:1)*	Sigma, D8437
B-27 Supplement minus vitamin A*	Invitrogen, 12587-010
2. Added Small Molecule/Nutrient Components:	
d-(+) Glucose	Sigma, G7021
L-glutamine*	Invitrogen, 25030-149
50x Antibiotic-Antimycotic*	Invitrogen, 15240-062
50x MEM Vitamins	Invitrogen, 11120-052
50x Non-essential Amino Acids	Invitrogen, 11140-050
d-Biotin	Sigma, B4639
Pyruvic Acid, Sodium Salt	Sigma, P4562
dl-Lactic Acid (60% Solution)	Sigma, L7900
Ascorbic Acid	Sigma, A4034
Sodium Selenite	Sigma, S5261
Putrescine	Sigma, P5780
Progesterone	Sigma, P8783
β -Estradiol 17-cypionate	Sigma, E8004
2-Mercaptoethanol*	Sigma, M3148
3. Added Polypeptide Components:	
Bovine Apo-transferrin	Sigma, T1428
Bovine Serum Albumin	Calbiochem, 126609
Bovine Insulin	Sigma, I1882
ESGRO (mouse LIF)	Chemicon, ESG1107
Recombinant mouse EGF	Sigma, E4127
Recombinant human basic FGF*	Sigma, F0291
Recombinant rat GDNF*	R&D Systems, 512-GF-050

*Components of SG medium.