Feeder-Free Derivation of Human Induced Pluripotent Stem Cells with Messenger RNA

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Supplementary Information

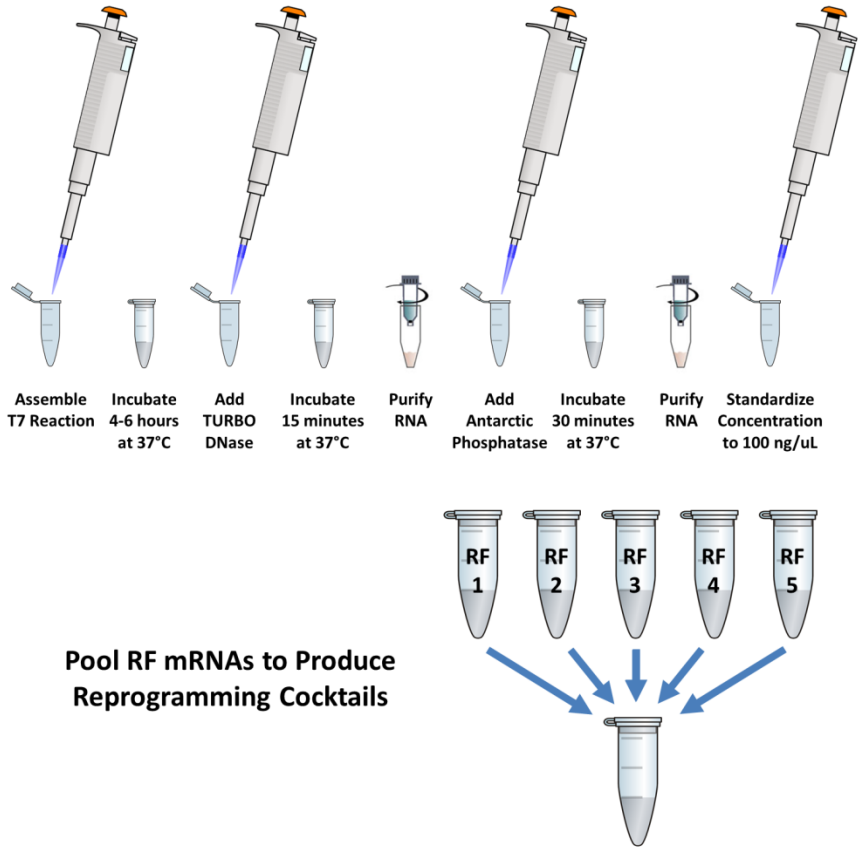
Supplementary Figure S1. Production of mRNA Cocktails. (a) Schematic summarizing the procedure for making mRNA reprogramming cocktails. (b) Synthetic mRNA products encoding multiple RFs visualized on a 2% agarose gel. 500 ng of RNA was loaded per gel lane.

Supplementary Movie 1. Video showing beating cardiomyocytes derived from the M_3O-derived iPSC clone documented in Figs. 1b-e by in vitro differentiation to the mesodermal lineage.

Supplementary Movie 2. Time-lapse sequence of 10X phase images showing the emergence of hESC-like colonies within a marked field in a feeder-free iPSC derivation performed on XFF cells seeded at 100K per well and subjected to 9 days of 400 ng/mL 24-hour Stemfect transfections with the M_3O/c-Myc-based 6-factor reprogramming cocktail.

Supplementary Figure S1

A



B