A

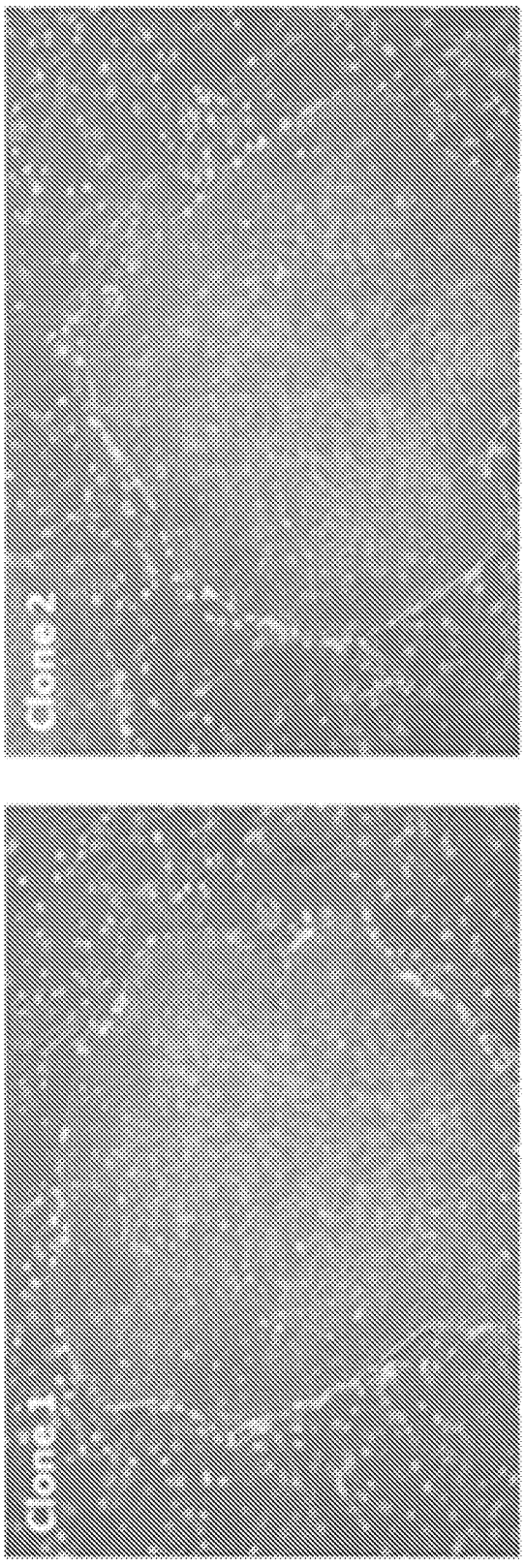


FIG. 1

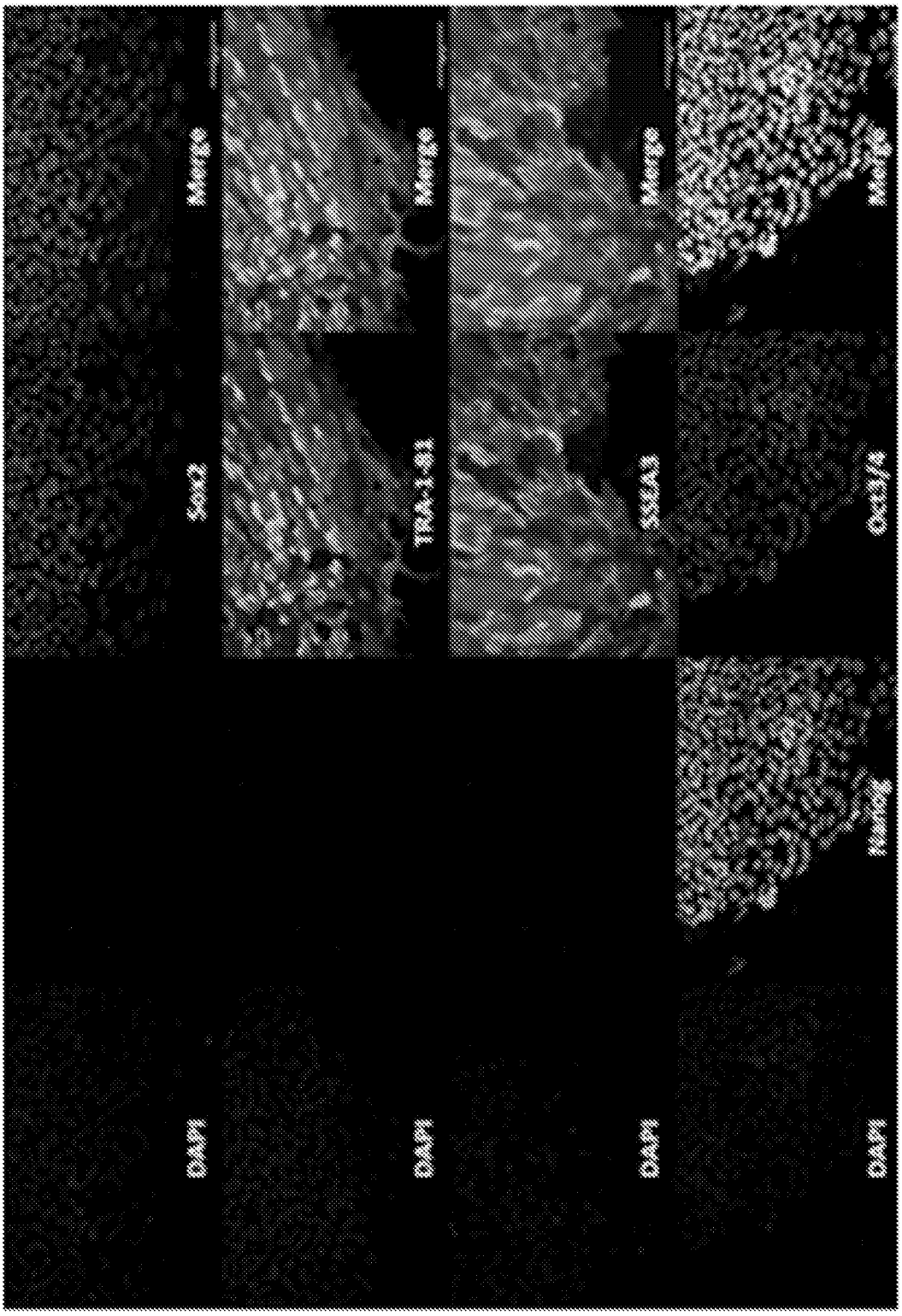

B
DAPI
Sox2
Merge
DAPI
TRA-1-81
Merge
DAPI
SSEA3
Merge
DAPI
Nanog
Oct3/4
Merge

FIG. 1 (cont.)

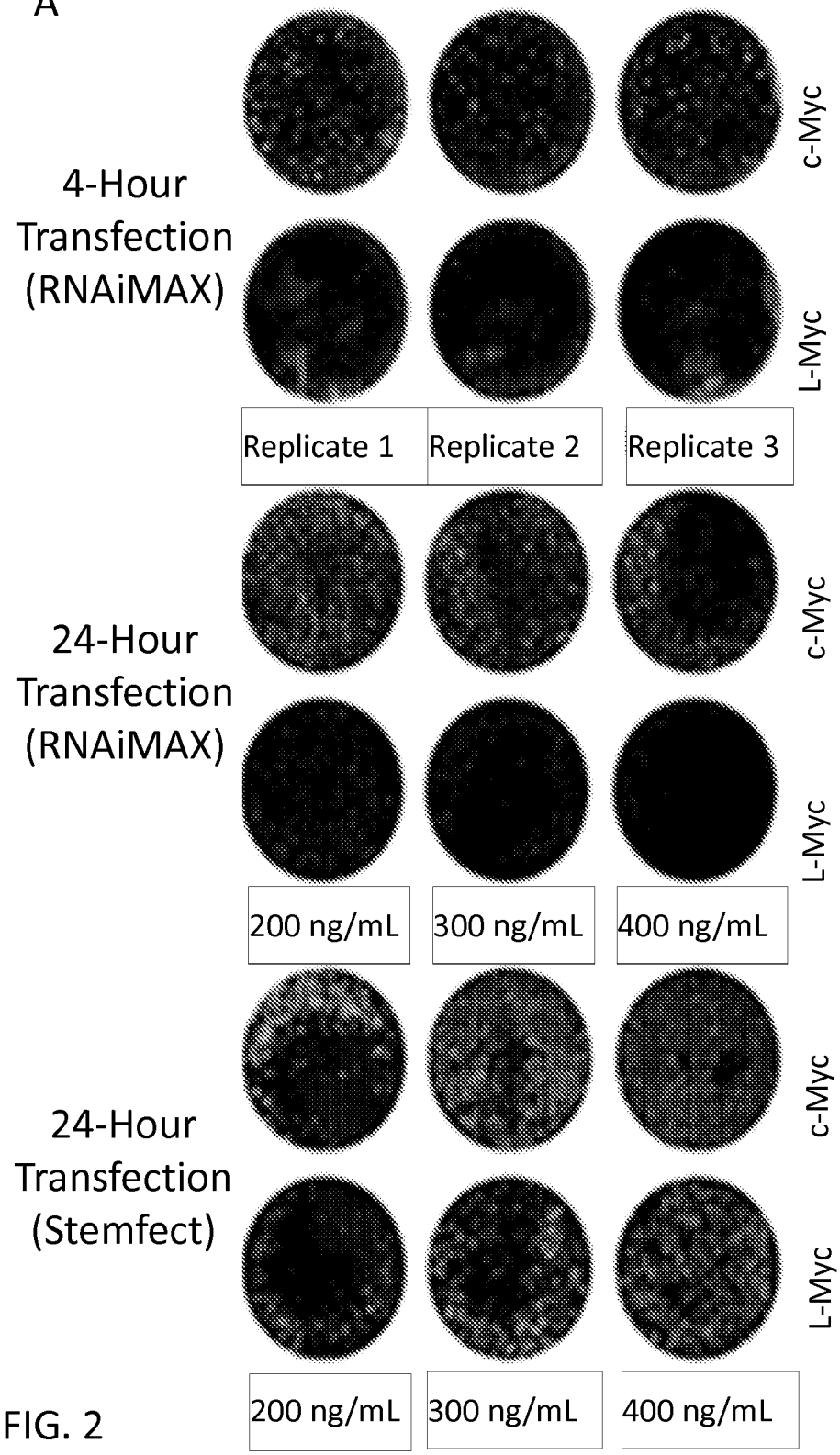
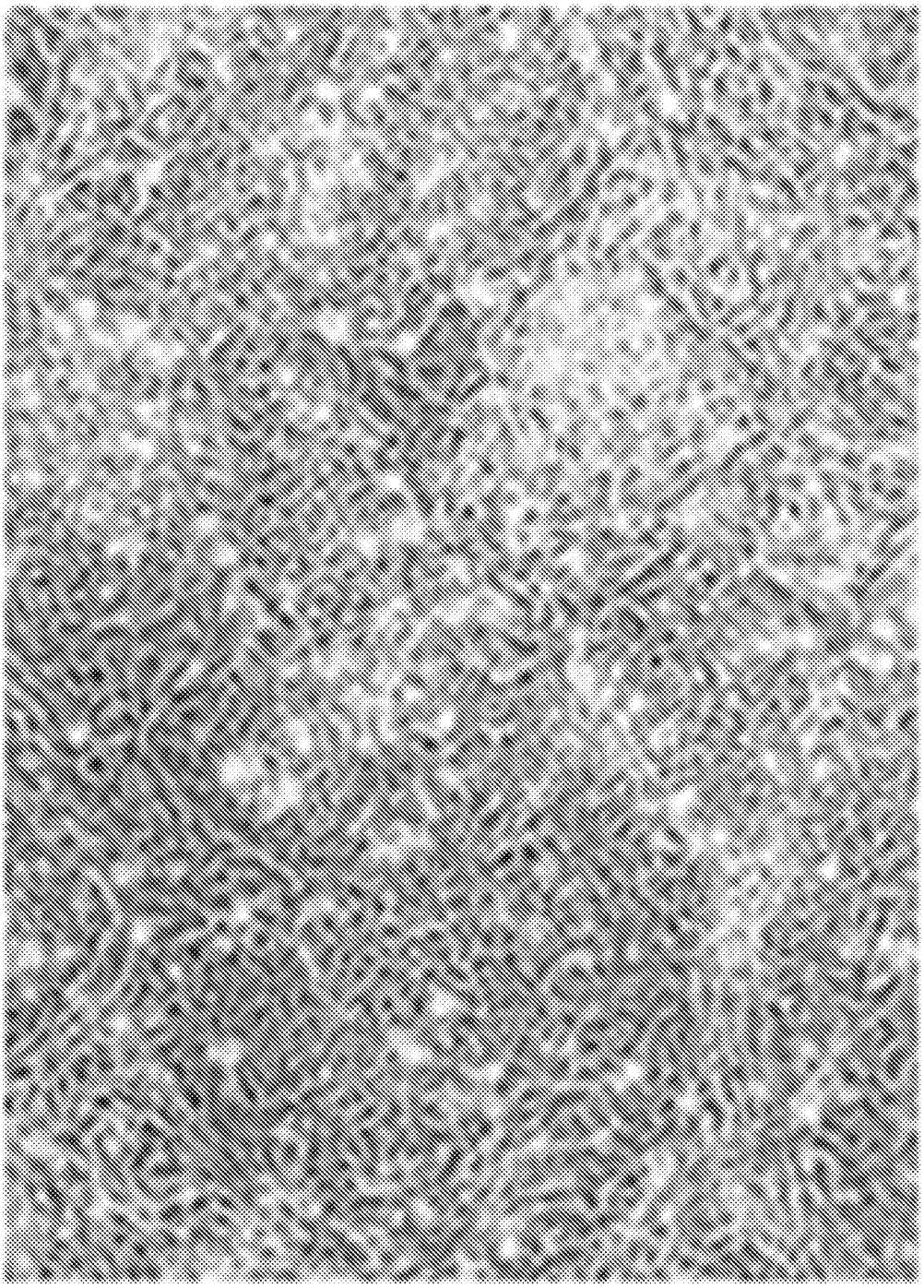

A
4-Hour Transfection (RNAiMAX)
24-Hour Transfection (RNAiMAX)
24-Hour Transfection (Stemfect)
c-Myc
L-Myc
Replicate 1
Replicate 2
Replicate 3
200 ng/mL
300 ng/mL
400 ng/mL

FIG. 2



B

FIG. 2 (cont.)

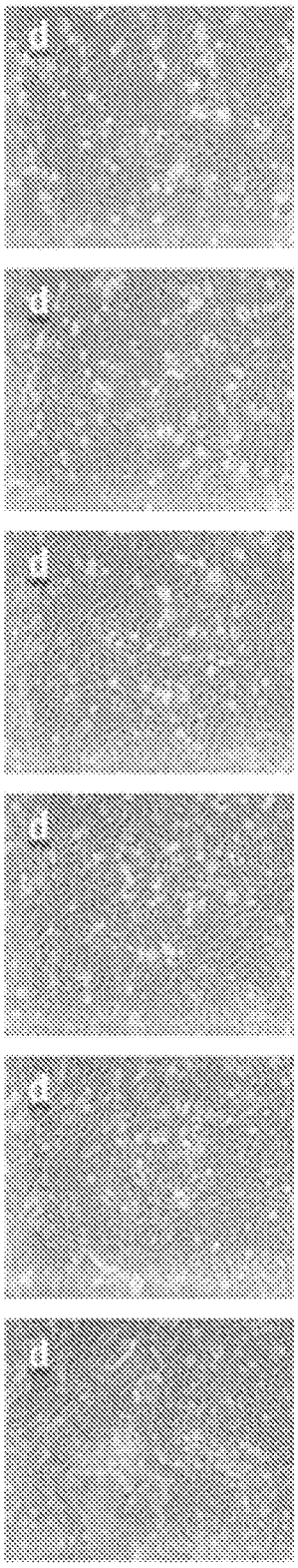


FIG. 2 (cont.)

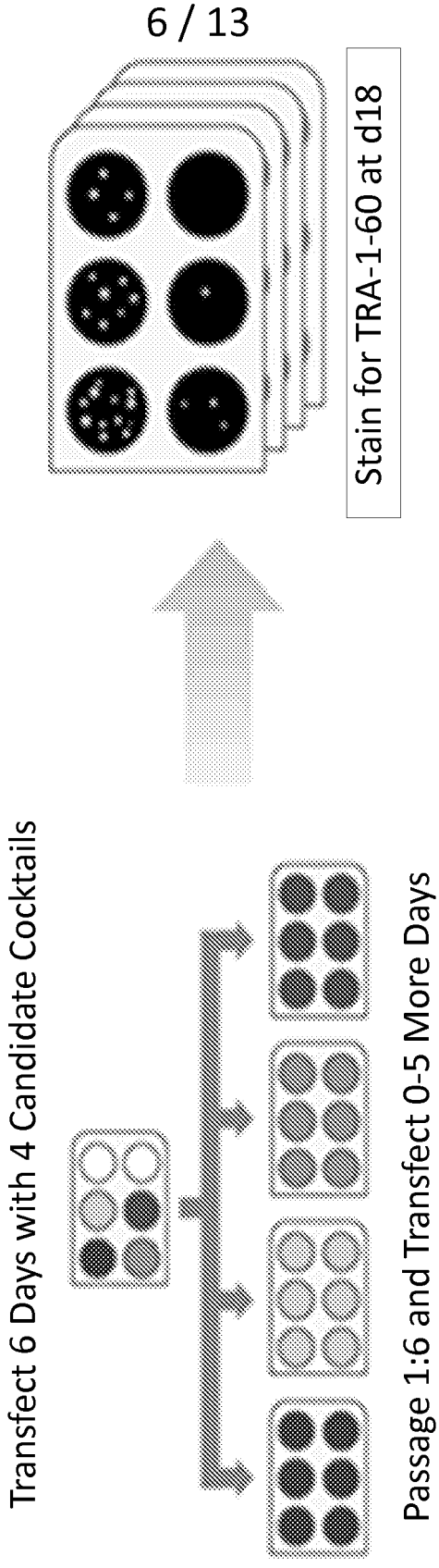

Transfect 6 Days with 4 Candidate Cocktails
Passage 1:6 and Transfect 0-5 More Days
Stain for TRA-1-60 at d18

FIG. 3

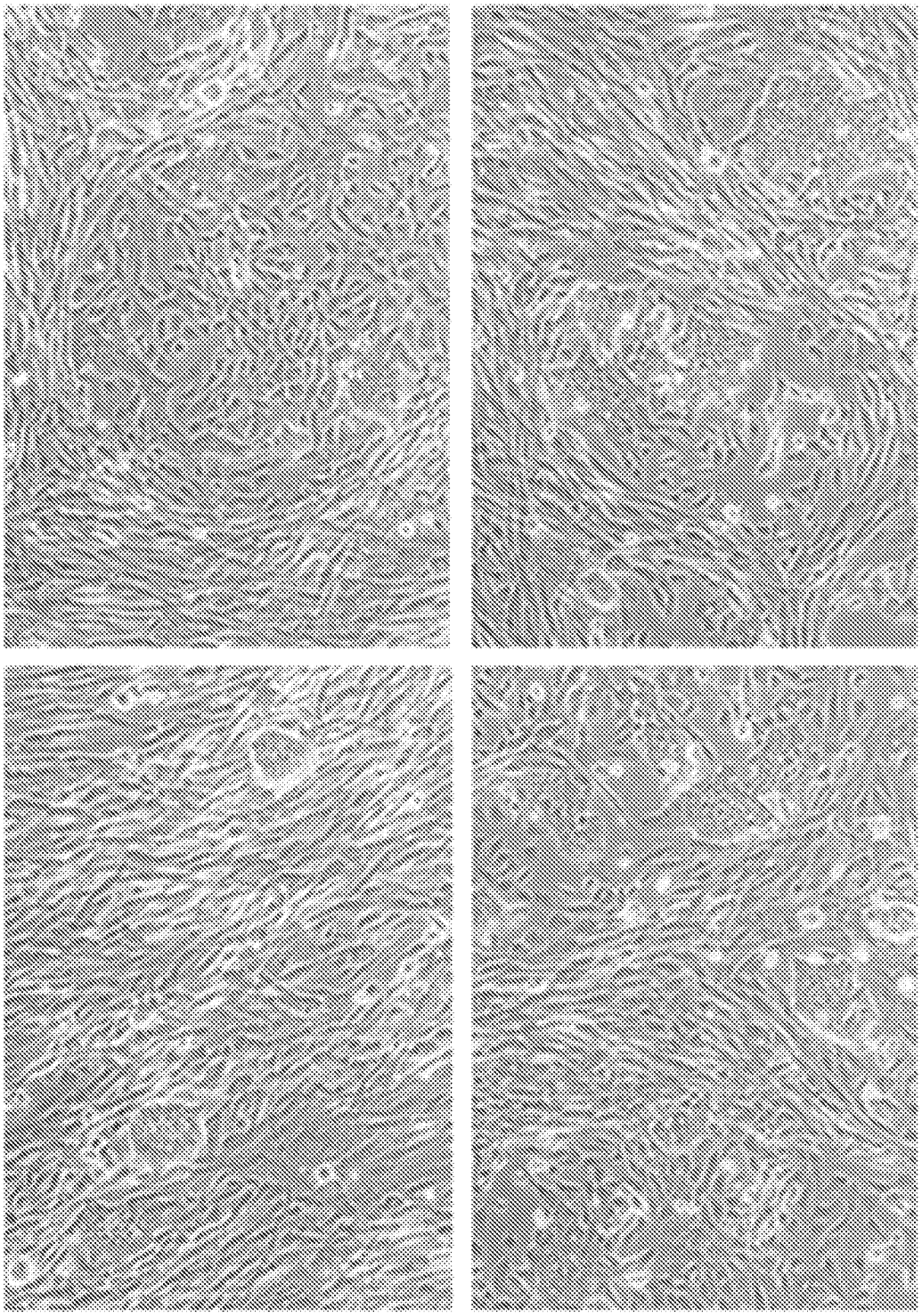


FIG. 4

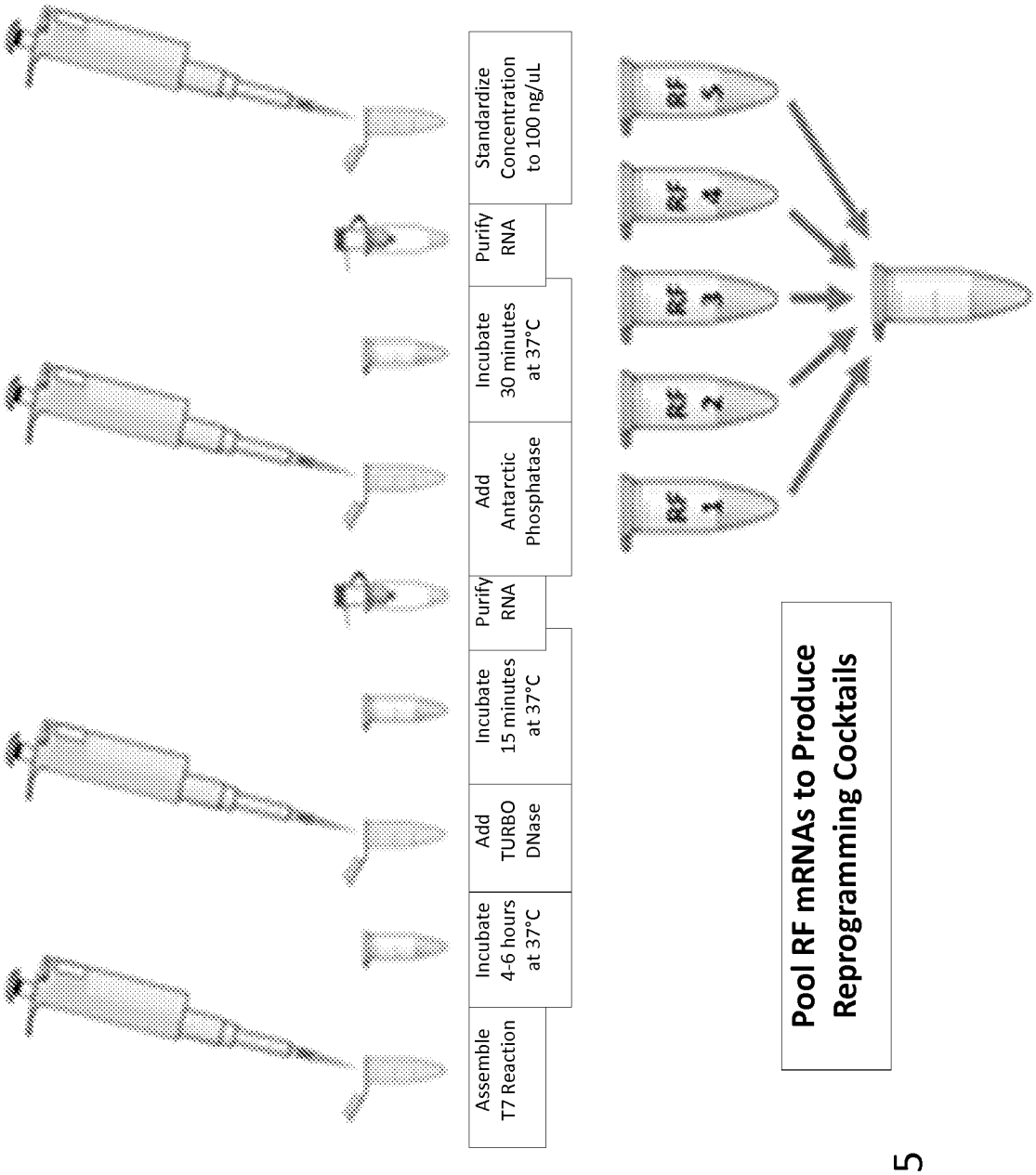

A
Assemble T7 Reaction
Incubate 4-6 hours at 37°C
Add TURBO DNase
Incubate 15 minutes at 37°C
Purify RNA
Add Antarctic Phosphatase
Incubate 30 minutes at 37°C
Purify RNA
Standardize Concentration to 100 ng/uL
RF 1
RF 2
RF 3
RF 4
RF 5
Pool RF mRNAs to Produce Reprogramming Cocktails

FIG. 5

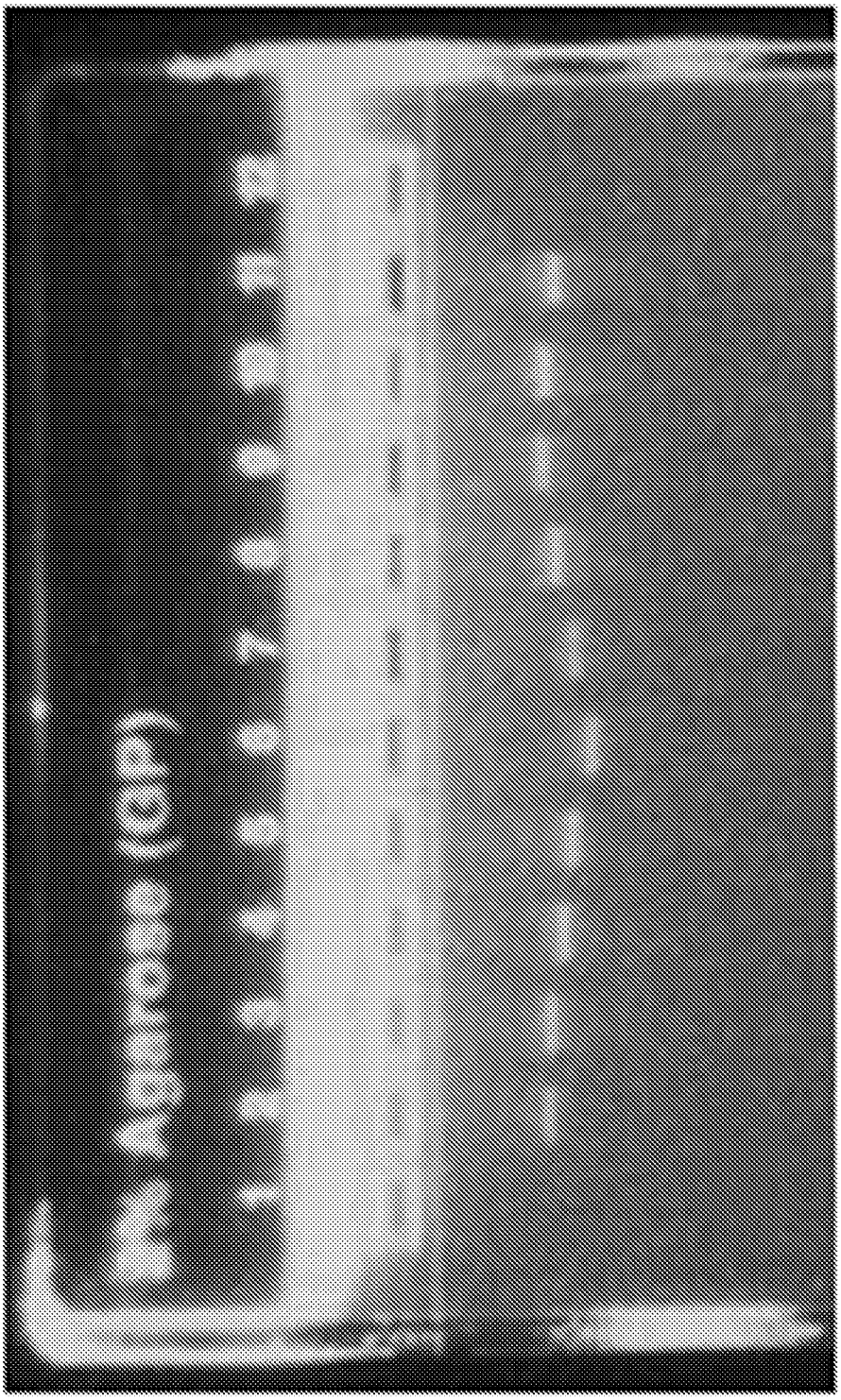


FIG. 5 (cont.)

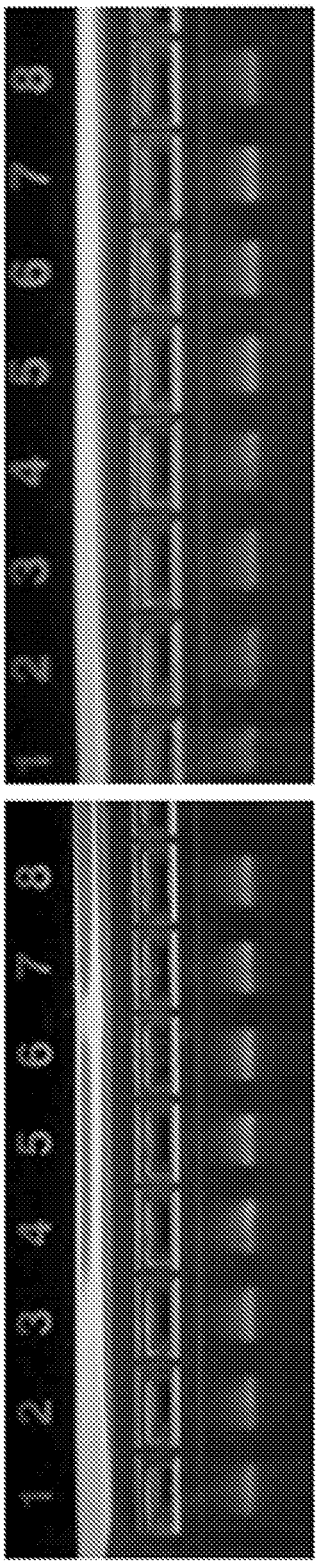
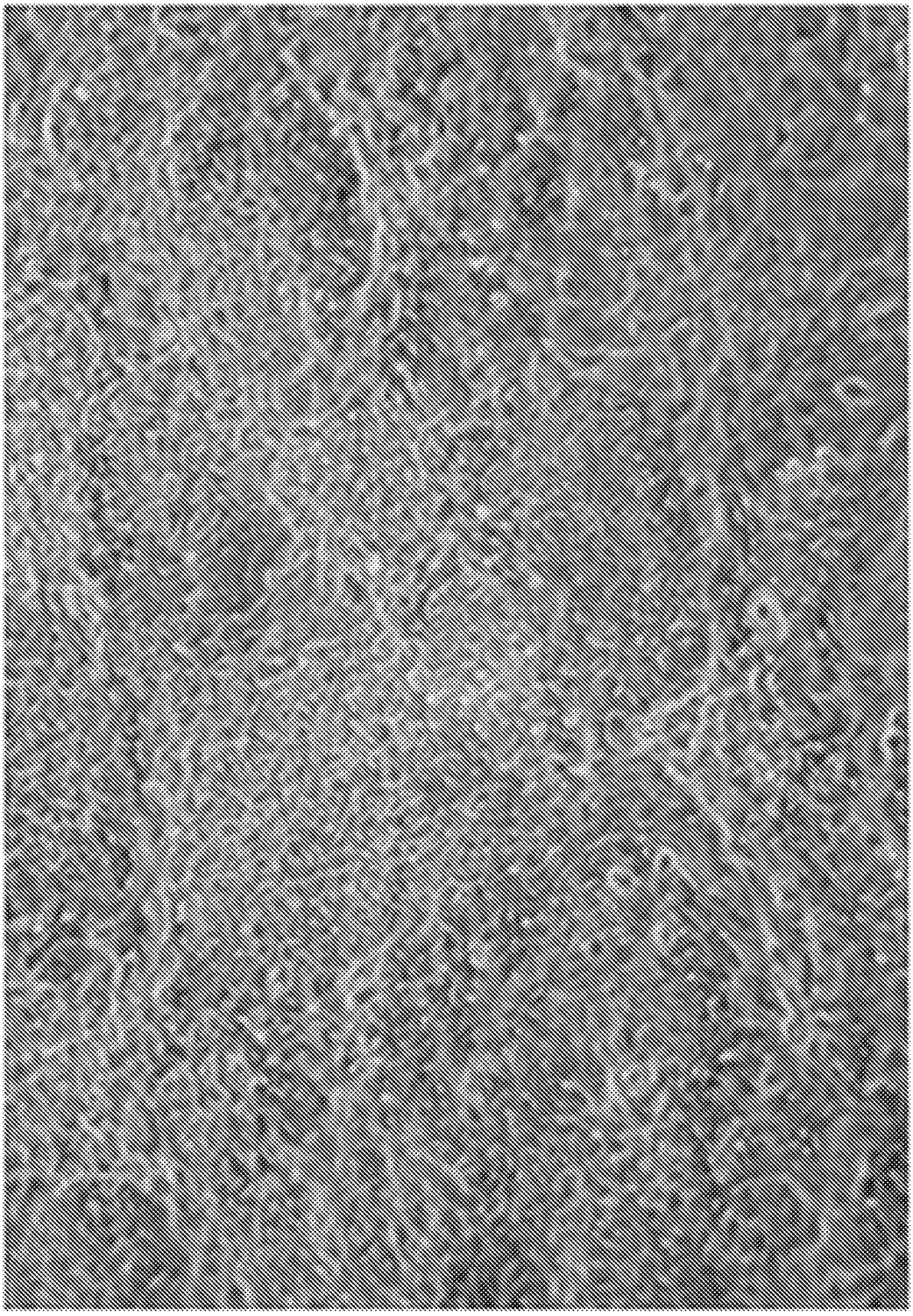
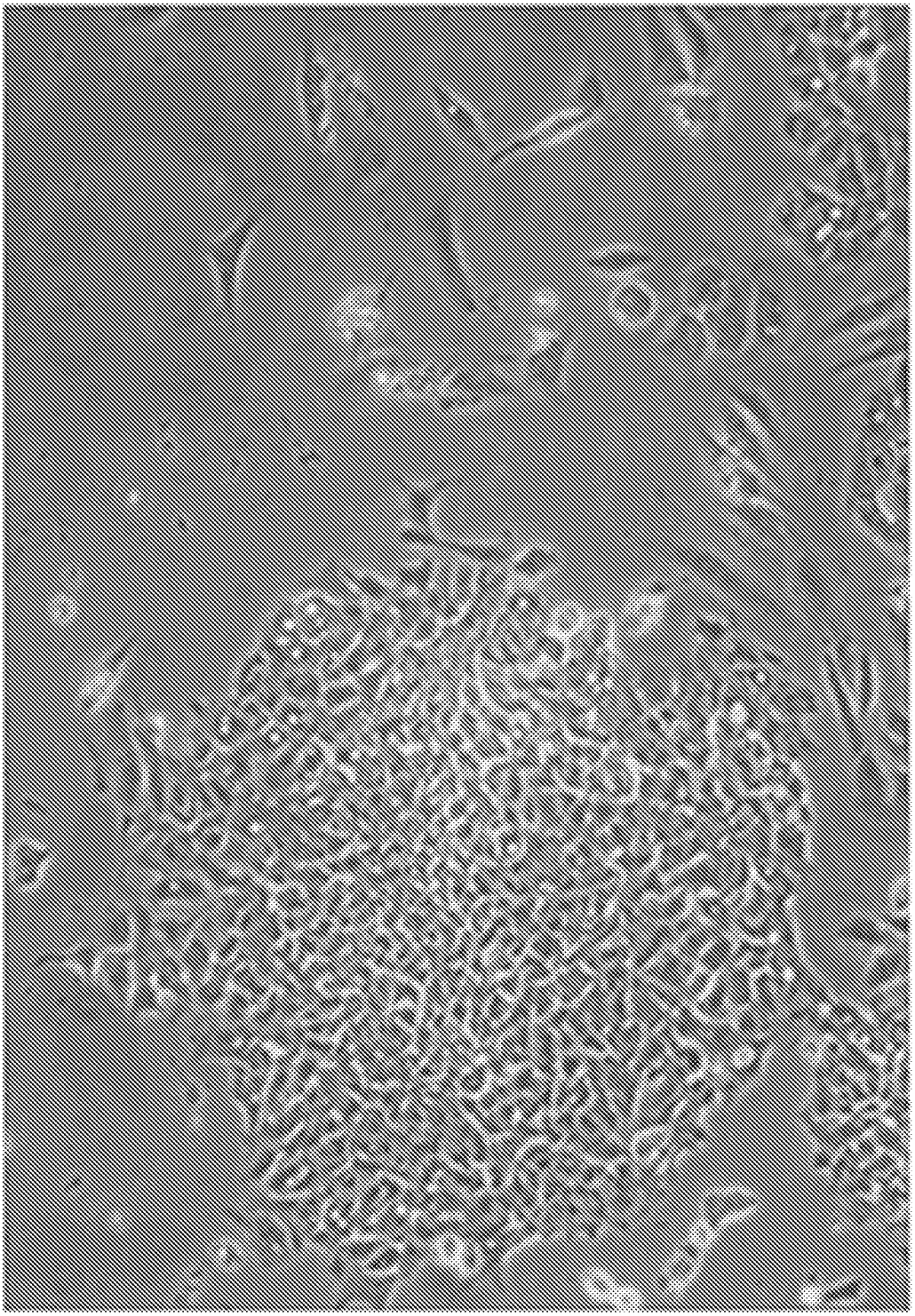


FIG. 6



A

FIG. 7



B

FIG. 7 (cont.)

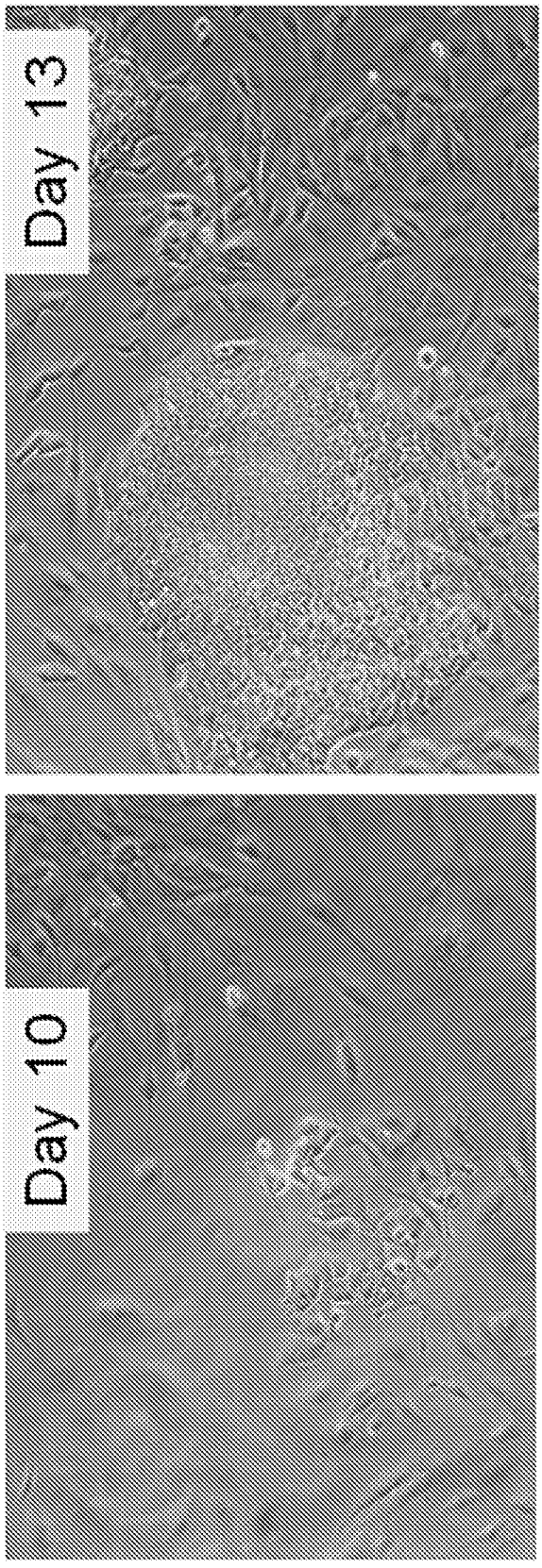


FIG. 8